

CAIAMA

4,8
kilos/hab.

-9,8%

+428
millones
de us\$

Consumo
“per capita”

variación interanual
del consumo
doméstico

saldo de la balanza
comercial de la
industria del
aluminio

industria del aluminio en Argentina

anuario estadístico 2012



Bosque de arrayanes - Río Negro



CAIAMA

4,8
kilos/inhab.

"Per capita"
consumption

-9,8%

Inter-annual
variation of domestic
consumption

+428
million us\$

Aluminum industry
foreign trade balance

aluminum industry in Argentina

2012 statistical yearbook



The Arrayán forest - Río Negro



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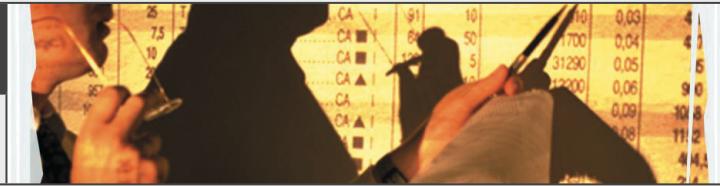
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Mejoras importantes

Este anuario presenta numerosas mejoras respecto a las ediciones anteriores.

Hay información con un mayor nivel de detalle, y se han agregado cuadros y gráficos con la intención de facilitar la comprensión de todos los datos. Tal como venimos repitiendo, estamos convencidos de que el Anuario es una herramienta estadística muy útil, no sólo para comprender lo que sucedió en el pasado, sino también para poder anticipar algunos fenómenos del futuro.

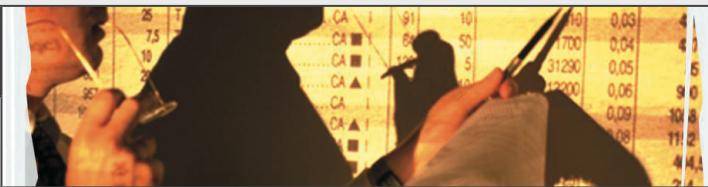
Es importante destacar que ahora se puede observar la evolución por producto con una desagregación mayor, y que la información del consumo por mercado también incluye datos de los productos.

En cuanto a los indicadores de este año 2012, la actividad del mercado doméstico se contraíó respecto al año anterior, pero los valores son todavía altos, y mucho mayores a los que se observaban en la década de los '90.

Esperamos como siempre que este Anuario sea de utilidad, y que entre todos sigamos trabajando para que el consumo de aluminio en Argentina sea cada vez mayor.

Subcomisión de Estadísticas de CAIAMA





Important enhancements

En cuanto a los indicadores de este año 2012, la actividad del mercado doméstico se contrajo respecto al año anterior, pero los valores son todavía altos, y mucho mayores a los que se observaban en la década de los '90.

Esperamos como siempre que este Anuario sea de utilidad, y que entre todos sigamos trabajando para que el consumo de aluminio en Argentina sea cada vez mayor.

This Yearbook shows numerous enhancements respect previous editions.

There is information with a deeper level of detail and, in order to facilitate the understanding of the data, some charts and graphs had been added. As we had been repeating, we are convinced that the Yearbook is a very useful statistical tool. This is so, not only to comprehend what happened in the past, but also to be able to anticipate some of the phenomena of the future.

It is important to highlight that it is now possible to observe the evolution by product with a greater opening, and that the information per end-use market also includes data about the products.

In reference to the 2012 indexes, the activity in the domestic market shrunk compared to the previous year, yet the figures are still high and much greater than de ones of the '90s.

We hope as always that this Yearbook results a useful one, and that we keep on working together so as aluminum consumption in Argentina keeps on growing.

CAIAMA's Statistics Subcommission



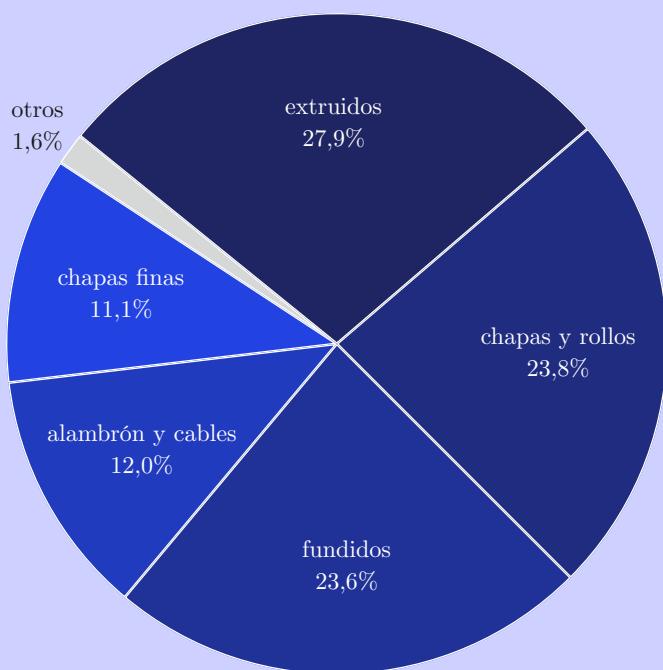
consumo doméstico

consumo total por origen [ton]

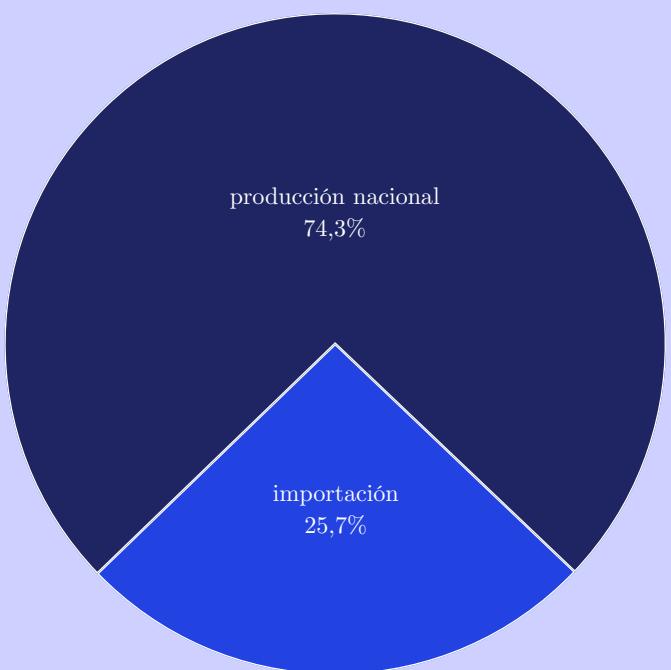


producto	consumo de producción doméstica	importaciones	consumo total del mercado doméstico	variación respecto al año 2011
chapas y rollos	20.544	27.109	47.653	-4,1%
chapas finas y foil	11.041	11.228	22.269	-0,2%
extruidos	48.003	7.892	55.895	-11,1%
alambrón y cables	22.734	1.390	24.124	-28,8%
fundidos	46.644	640	47.284	-1,8%
otros productos	0	3.204	3.204	-39,4%
consumo total	148.966	51.463	200.429	-9,8%

consumo total por producto



consumo total por origen



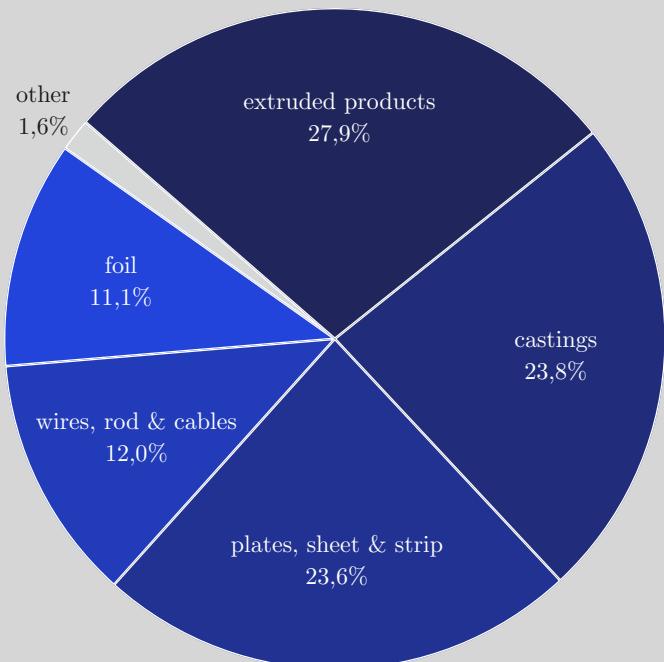
domestic consumption

total consumption by origin [ton]

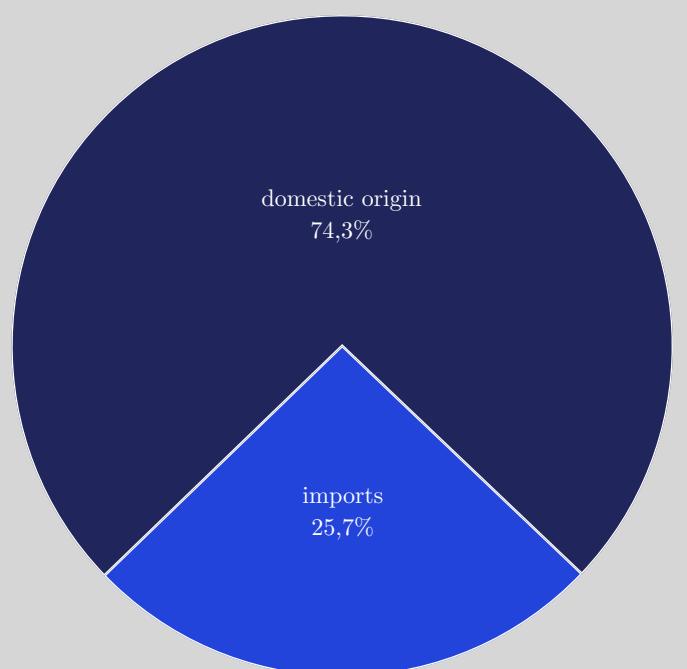


product	consumption of domestic origin	imports	total domestic consumption	variation respect year 2011
plates, sheets & strip	20.544	27.109	47.653	-4,1%
foil	11.040	11.228	22.268	-0,2%
extruded products	48.003	7.892	55.895	-11,1%
wires, rod & cables	22.734	1.390	24.124	-28,8%
castings	46.644	640	47.284	-1,8%
other products	0	3.204	3.204	-39,4%
total consumption	148.965	51.463	200.428	-9,8%

total consumption by product



total consumption by origin

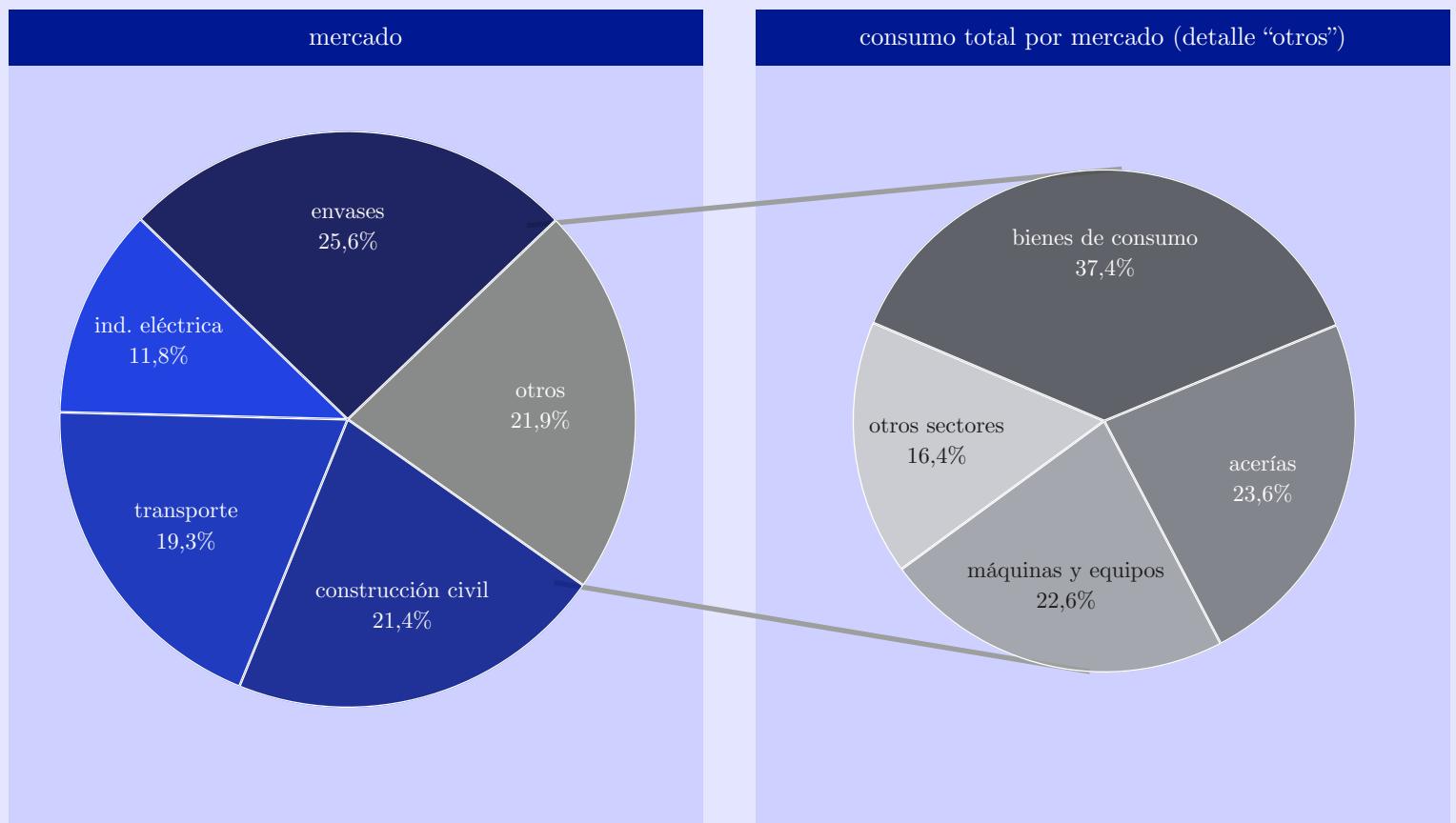


consumo doméstico

consumo total por producto y mercado [ton]



producto	mercado								consumo total	participación
	construcción civil	envases	transporte	industria eléctrica	bienes de consumo	máquinas y equipos	acerías	otros sectores		
chapas y rollos	1.460	34.521	2.653	299	5.896	2.443	0	381	47.653	23,8%
chapas finas y foil	2.648	16.799	926	111	1.069	205	0	510	22.268	11,1%
extruidos	38.549	0	2.270	383	6.313	5.953	0	2.427	55.895	27,9%
alambrón y cables	14	35	0	22.595	0	7	1.364	109	24.124	12,0%
fundidos	140	2	32.759	326	3.144	1.330	8.990	593	47.284	23,6%
otros productos	0	0	0	0	0	0	0	3.204	3.204	1,6%
consumo total	42.811	51.357	38.608	23.714	16.422	9.938	10.354	7.224	200.428	100,0%
participación	21,4%	25,6%	19,3%	11,8%	8,2%	5,0%	5,2%	3,6%	100,0%	



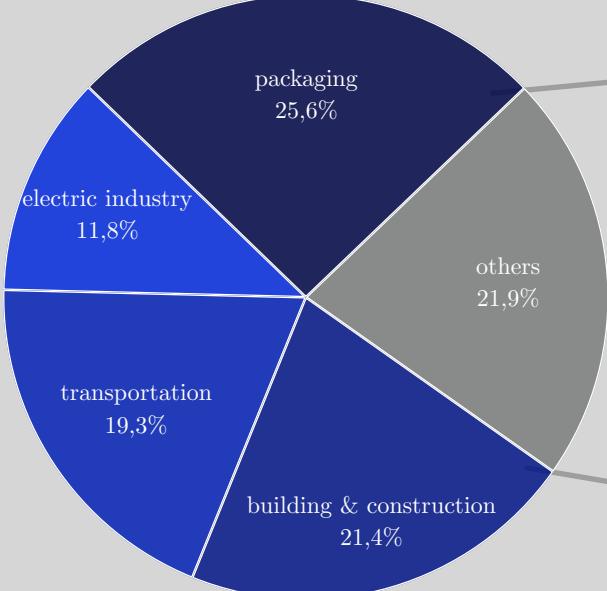
domestic consumption

total consumption by product and end-use market [ton]

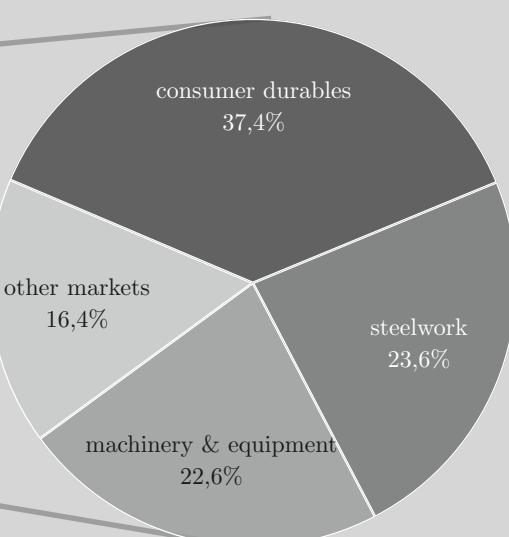


product	end-use market								total consumption	share
	building & construction	packaging	transportation	electric industry	consumer durables	machinery & equipment	steelwork	other markets		
plates, sheets & strip	1.460	34.521	2.653	299	5.896	2.443	0	381	47.653	23,8%
foil	2.648	16.799	926	111	1.069	205	0	510	22.268	11,1%
extruded products	38.549	0	2.270	383	6.313	5.953	0	2.427	55.895	27,9%
wires, rod & cables	14	35	0	22.595	0	7	1.364	109	24.124	12,0%
castings	140	2	32.759	326	3.144	1.330	8.990	593	47.284	23,6%
other products	0	0	0	0	0	0	0	3.204	3.204	1,6%
total consumption	42.811	51.357	38.608	23.714	16.422	9.938	10.354	7.224	200.428	100,0%
share	21,4%	25,6%	19,3%	11,8%	8,2%	5,0%	5,2%	3,6%	100,0%	

total consumption by end-use market



total consumption by end-use market (detail "others")

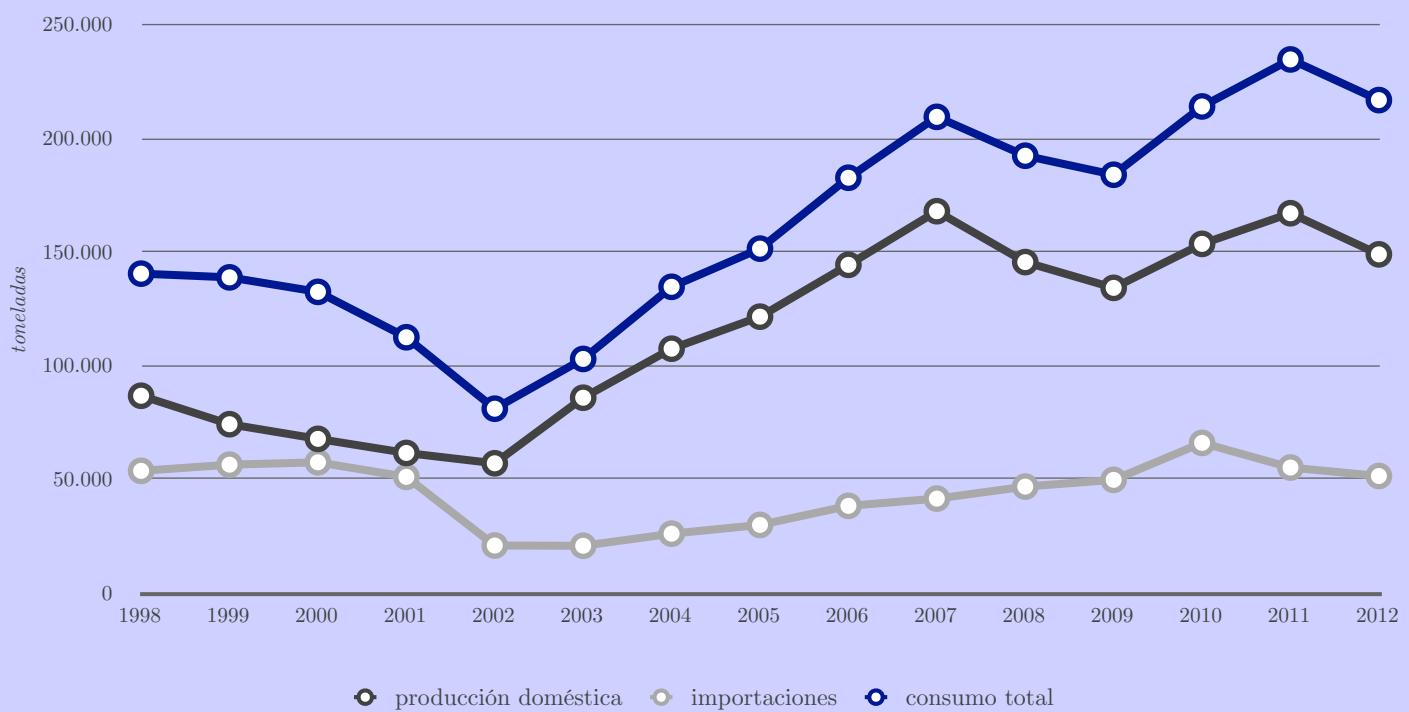


consumo doméstico

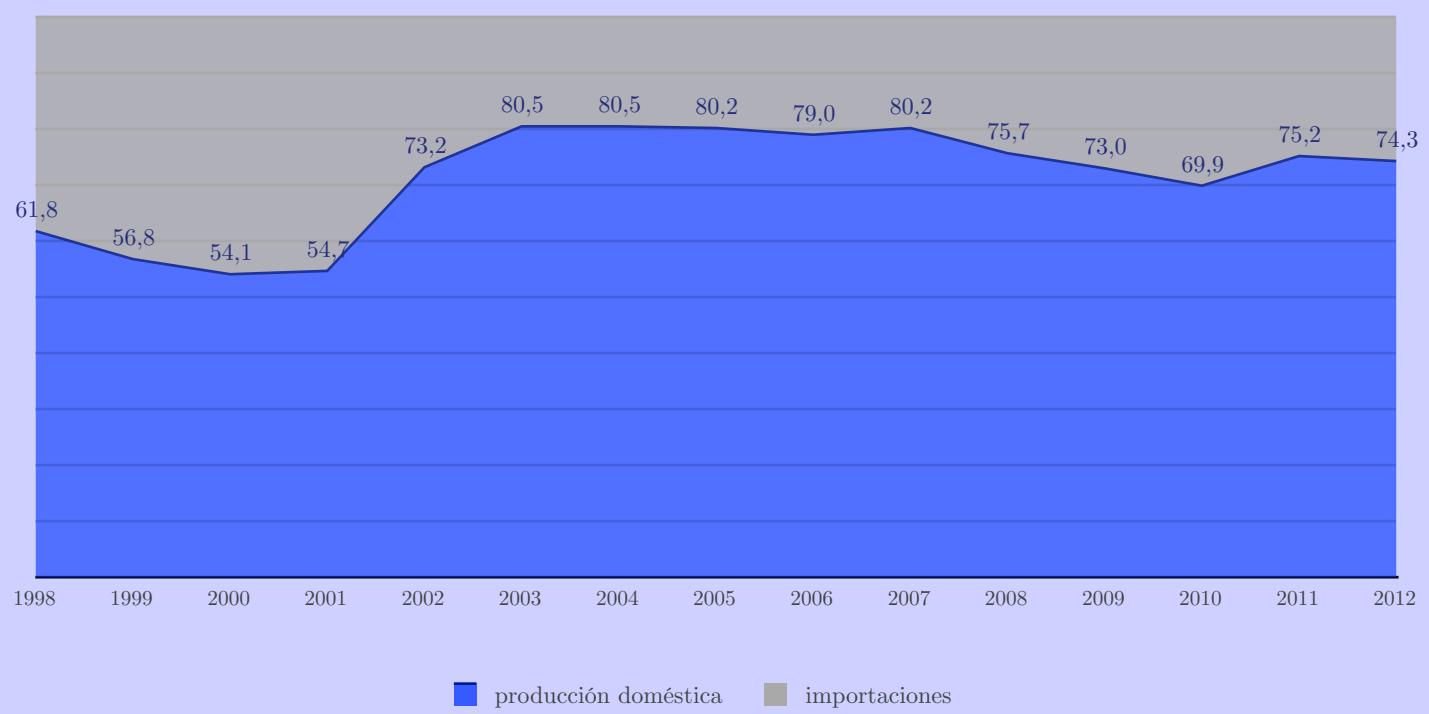
evolución del consumo [ton]



evolución del consumo total del mercado doméstico



evolución de la participación de la producción doméstica

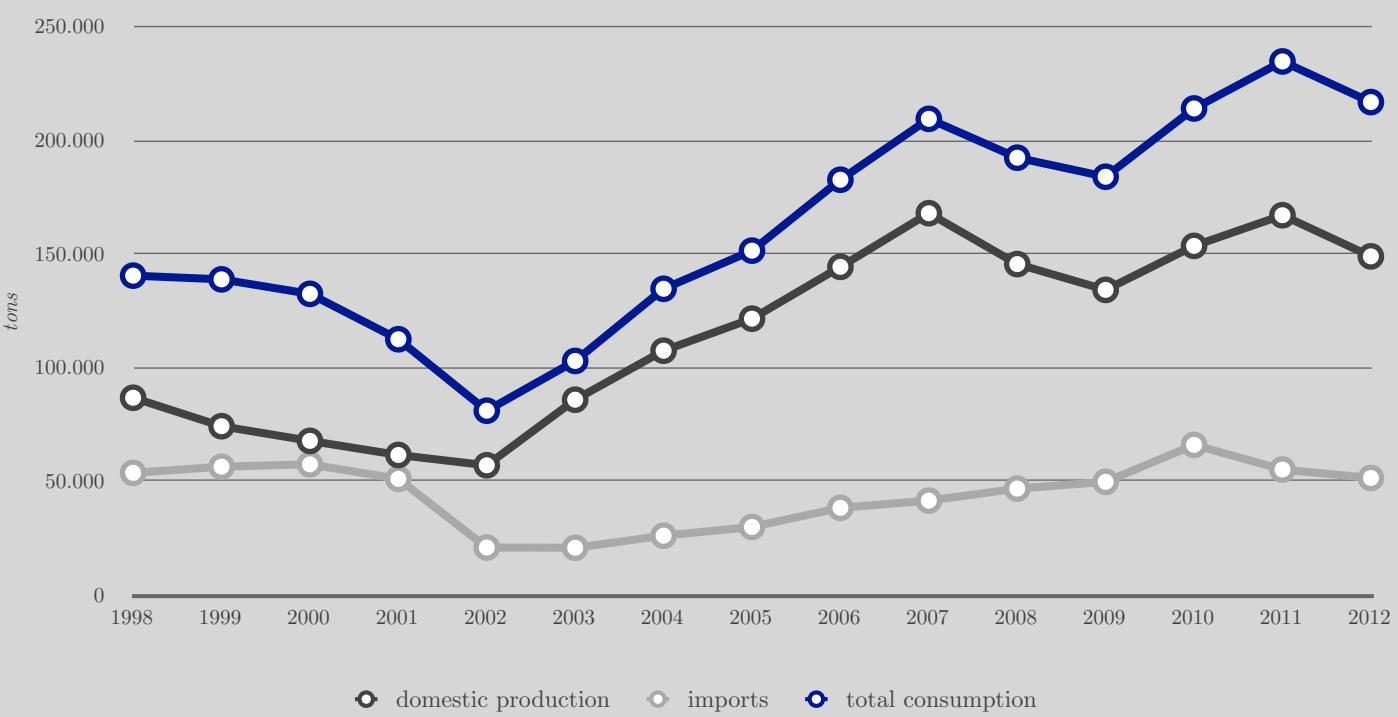


domestic consumption

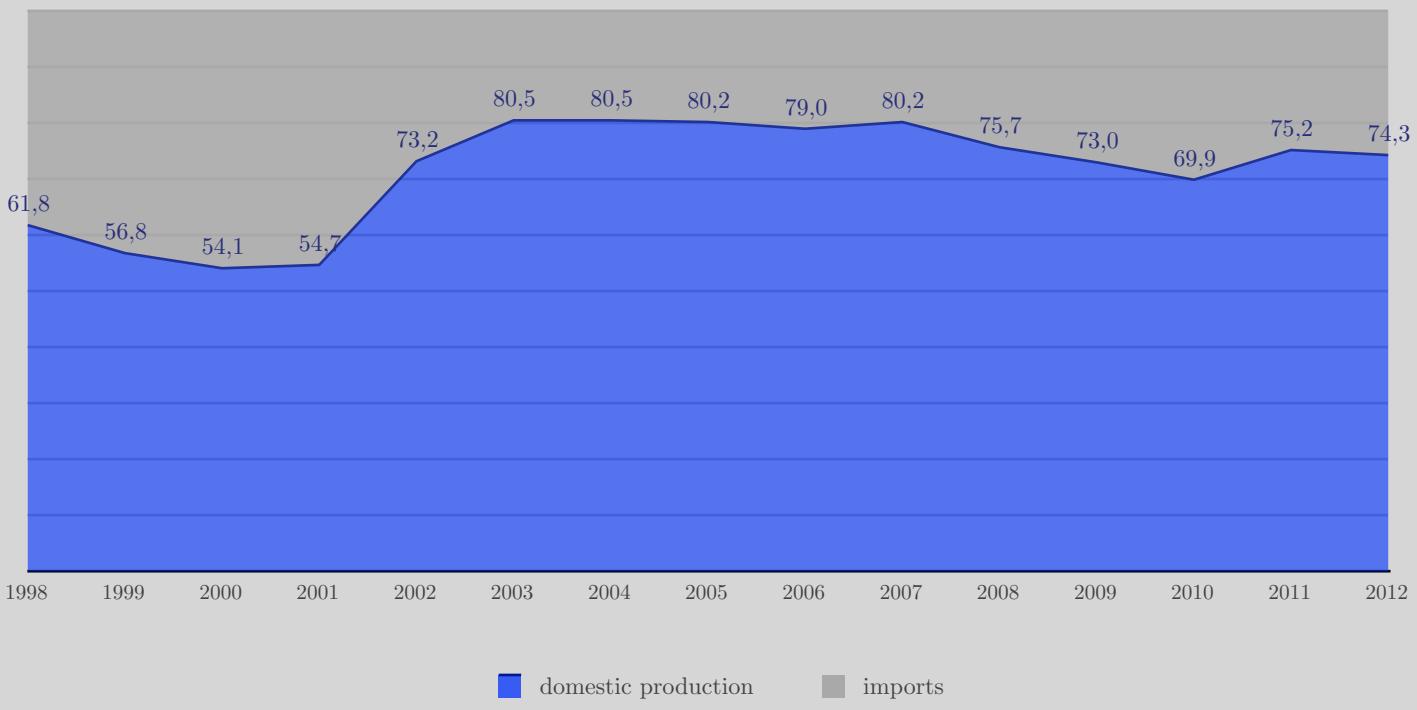
evolution of consumption [ton]



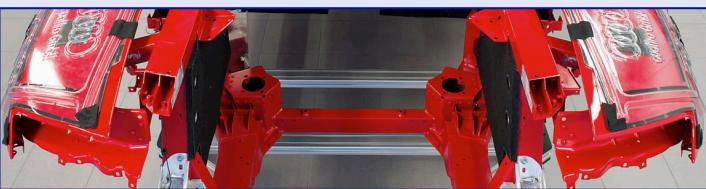
evolution of total consumption in the domestic market



evolution of domestic production share



consumo doméstico

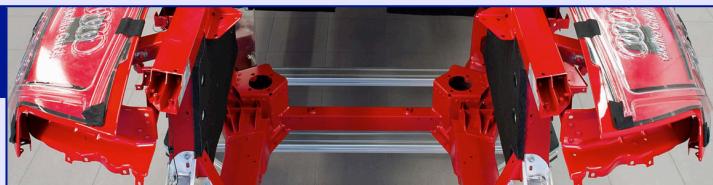


evolución del consumo por producto [ton]

producto	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
chapas y rollos	33.413	32.579	34.624	32.531	16.641	20.543	23.694	29.208	33.228	36.372	41.158	38.268	50.320	49.712	47.653
laminados estándar	8.322	5.456	7.395	7.252	4.249	7.234	7.563	9.412	9.849	10.292	9.289	7.084	10.562	10.013	8.838
chapas para latas	10.996	12.996	9.435	7.720	4.806	3.762	3.785	4.708	6.675	5.927	7.111	8.370	8.589	8.225	6.719
tejos	5.236	5.372	6.167	6.227	4.838	5.723	7.637	9.616	10.783	12.886	14.371	15.663	18.493	19.286	21.425
pomos	418	464	974	574	224	170	170	255	308	420	586	459	308	473	1.316
menaje	2.145	2.441	3.256	3.145	1.135	2.343	2.887	3.320	3.236	3.830	4.198	3.621	5.010	5.158	4.216
otros	6.296	5.850	7.397	7.613	1.389	1.311	1.652	1.897	2.377	3.017	5.603	3.071	7.358	6.557	5.139
chapas finas y foil	17.445	16.522	18.414	16.377	13.899	15.358	17.386	19.645	20.184	21.477	19.525	18.726	21.469	22.318	22.268
foil estándar	11.252	9.952	11.628	10.048	8.696	9.495	10.502	12.258	11.787	12.363	10.591	10.518	11.072	10.814	10.942
foil impreso/con soporte	4.112	3.757	4.066	3.475	3.026	3.770	4.603	5.155	5.315	5.725	4.860	3.809	5.870	6.577	6.859
otros	2.081	2.813	2.720	2.854	2.177	2.093	2.281	2.232	3.082	3.389	4.074	4.399	4.527	4.927	4.467
extruidos	31.547	30.972	25.633	23.396	12.227	19.564	28.181	34.554	41.300	50.451	51.791	38.994	51.541	62.864	55.895
perfles	25.411	24.550	20.219	18.538	9.337	15.944	22.943	28.227	33.409	40.798	42.183	31.306	41.689	50.537	44.957
tubos	4.738	4.582	3.737	3.638	2.043	3.434	4.925	5.790	6.889	8.446	8.509	6.567	8.949	10.762	9.811
otros	1.398	1.840	1.677	1.220	847	186	313	537	1.002	1.207	1.099	1.121	903	1.565	1.127
alambrón y cables	24.953	19.808	13.939	11.397	5.864	11.373	16.635	16.411	28.487	34.729	22.472	34.110	27.822	33.887	24.124
cables eléctricos	24.580	19.395	13.549	11.201	5.762	11.213	16.516	16.304	28.349	34.565	22.314	33.986	27.693	33.735	23.936
otros	373	413	390	196	102	160	119	107	138	164	158	124	129	152	188
fundidos	24.793	22.963	26.816	23.921	26.670	35.930	42.726	46.927	51.792	58.344	49.302	40.049	50.790	48.172	47.284
piezas fundidas	24.696	22.841	26.628	23.760	26.516	35.830	42.550	46.762	51.611	58.116	49.063	39.849	50.375	47.626	46.644
otros	97	122	188	161	154	100	176	165	181	228	239	200	415	546	640
otros productos	3.380	3.383	2.595	1.786	1.526	2.053	2.540	2.796	2.866	3.402	4.106	3.429	4.580	5.289	3.204
consumo total	135.531	126.227	122.021	109.408	76.827	104.821	131.162	149.541	177.857	204.775	188.354	173.576	206.522	222.242	200.428

consumo doméstico

evolución del consumo por producto [ton]



laminados estándar



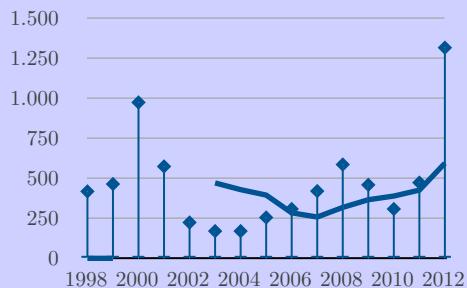
chapas para latas



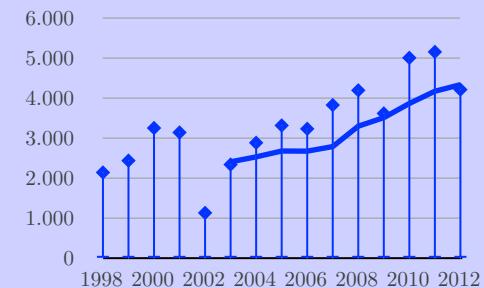
tejos



pomos



menaje



foil estándar



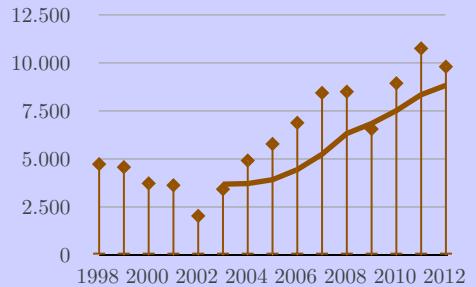
foil impreso/con soporte



perfles



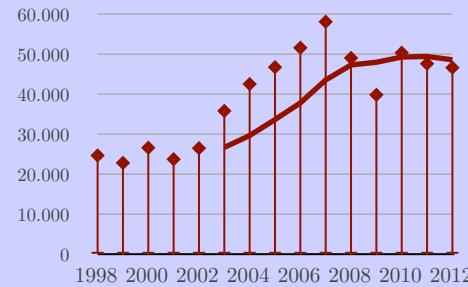
tubos



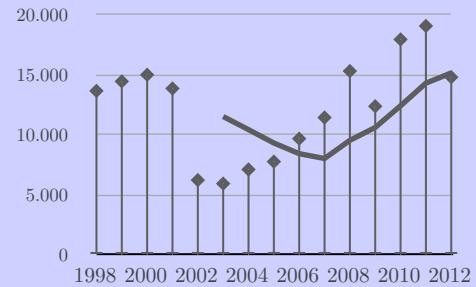
cables eléctricos



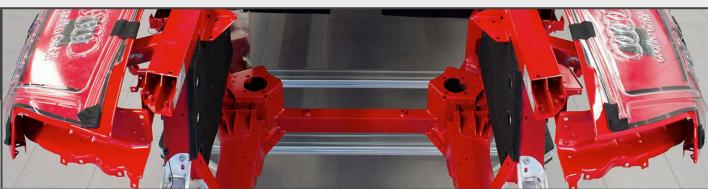
piezas fundidas



resto



domestic consumption

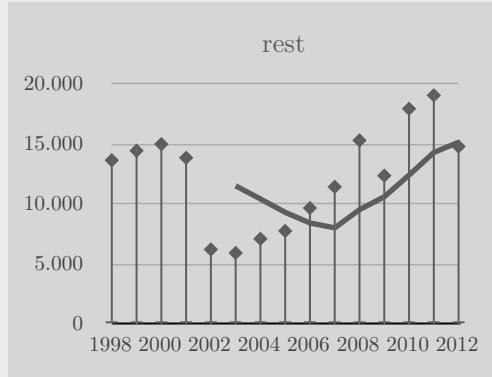
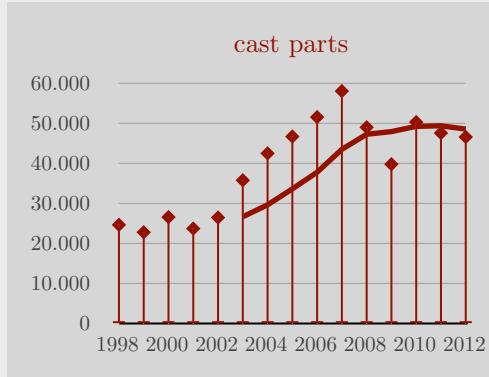
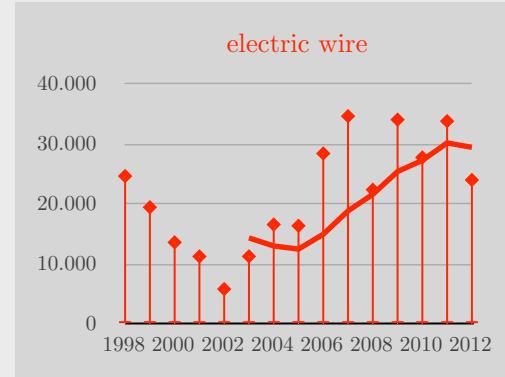
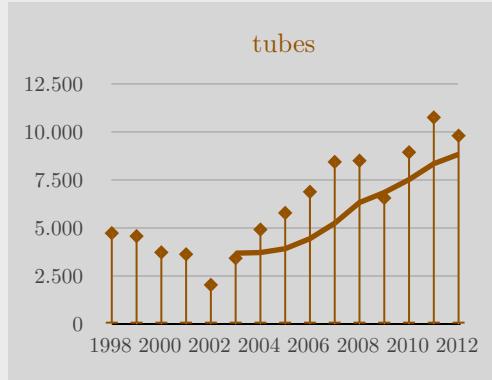
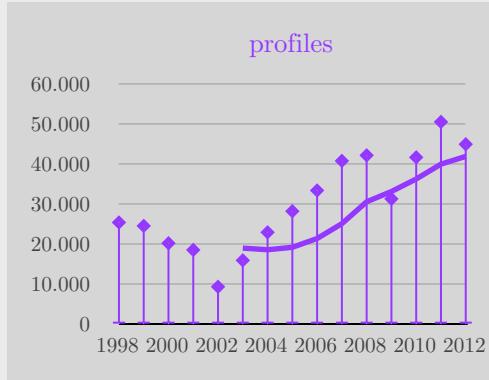
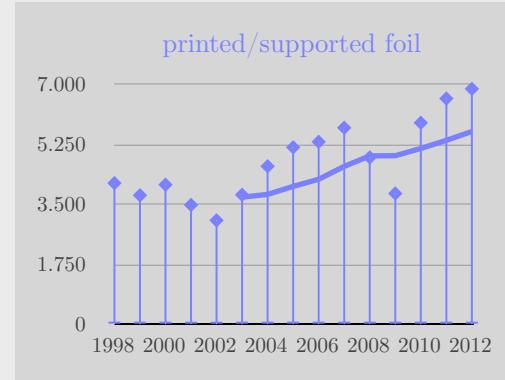
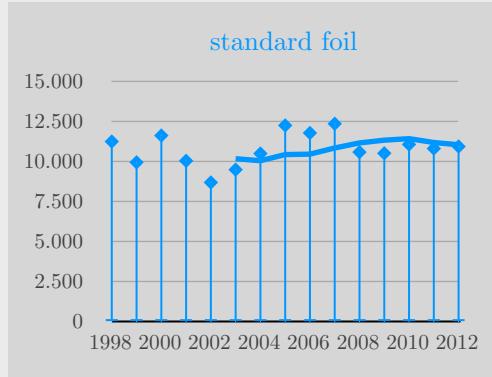
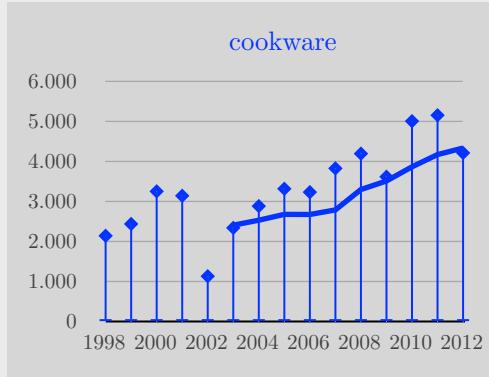
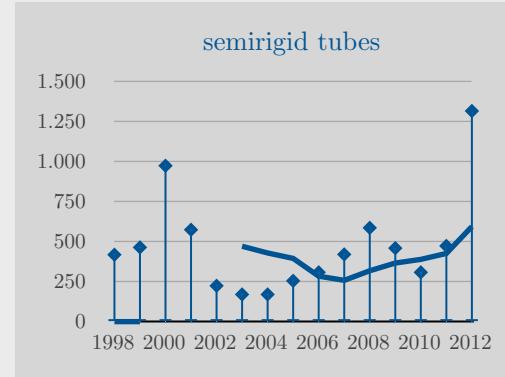
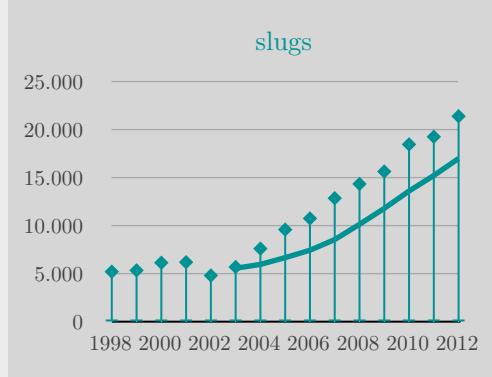
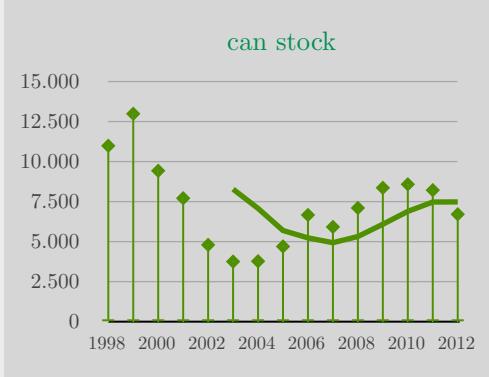
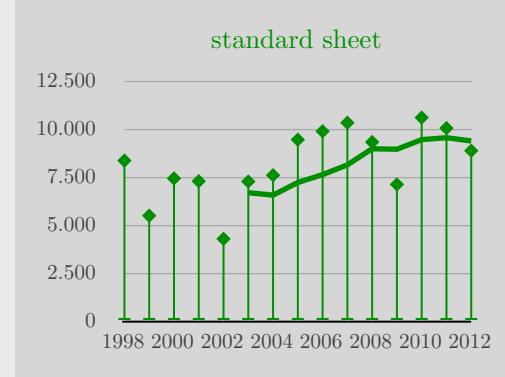
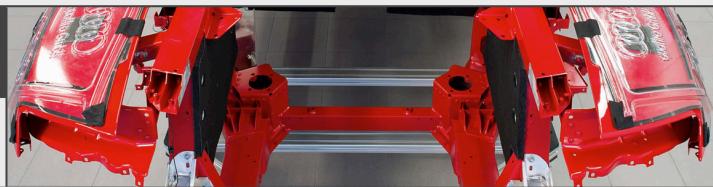


evolution of consumption by product [ton]

product	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
plates, sheets & strip	33.413	32.579	34.624	32.531	16.641	20.543	23.694	29.208	33.228	36.372	41.158	38.268	50.320	49.712	47.653
standard sheets	8.322	5.456	7.395	7.252	4.249	7.234	7.563	9.412	9.849	10.292	9.289	7.084	10.562	10.013	8.838
can stock	10.996	12.996	9.435	7.720	4.806	3.762	3.785	4.708	6.675	5.927	7.111	8.370	8.589	8.225	6.719
slugs	5.236	5.372	6.167	6.227	4.838	5.723	7.637	9.616	10.783	12.886	14.371	15.663	18.493	19.286	21.425
semirigid tubes	418	464	974	574	224	170	170	255	308	420	586	459	308	473	1.316
cookware	2.145	2.441	3.256	3.145	1.135	2.343	2.887	3.320	3.236	3.830	4.198	3.621	5.010	5.158	4.216
others	6.296	5.850	7.397	7.613	1.389	1.311	1.652	1.897	2.377	3.017	5.603	3.071	7.358	6.557	5.139
foil	17.445	16.522	18.414	16.377	13.899	15.358	17.386	19.645	20.184	21.477	19.525	18.726	21.469	22.318	22.268
standard foil	11.252	9.952	11.628	10.048	8.696	9.495	10.502	12.258	11.787	12.363	10.591	10.518	11.072	10.814	10.942
printed/supported foil	4.112	3.757	4.066	3.475	3.026	3.770	4.603	5.155	5.315	5.725	4.860	3.809	5.870	6.577	6.859
others	2.081	2.813	2.720	2.854	2.177	2.093	2.281	2.232	3.082	3.389	4.074	4.399	4.527	4.927	4.467
extruded products	31.547	30.972	25.633	23.396	12.227	19.564	28.181	34.554	41.300	50.451	51.791	38.994	51.541	62.864	55.895
profiles	25.411	24.550	20.219	18.538	9.337	15.944	22.943	28.227	33.409	40.798	42.183	31.306	41.689	50.537	44.957
tubes	4.738	4.582	3.737	3.638	2.043	3.434	4.925	5.790	6.889	8.446	8.509	6.567	8.949	10.762	9.811
others	1.398	1.840	1.677	1.220	847	186	313	537	1.002	1.207	1.099	1.121	903	1.565	1.127
wires, rod & cables	24.953	19.808	13.939	11.397	5.864	11.373	16.635	16.411	28.487	34.729	22.472	34.110	27.822	33.887	24.124
electric wire	24.580	19.395	13.549	11.201	5.762	11.213	16.516	16.304	28.349	34.565	22.314	33.986	27.693	33.735	23.936
others	373	413	390	196	102	160	119	107	138	164	158	124	129	152	188
castings	24.793	22.963	26.816	23.921	26.670	35.930	42.726	46.927	51.792	58.344	49.302	40.049	50.790	48.172	47.284
cast parts	24.696	22.841	26.628	23.760	26.516	35.830	42.550	46.762	51.611	58.116	49.063	39.849	50.375	47.626	46.644
others	97	122	188	161	154	100	176	165	181	228	239	200	415	546	640
other products	3.380	3.383	2.595	1.786	1.526	2.053	2.540	2.796	2.866	3.402	4.106	3.429	4.580	5.289	3.204
total consumption	135.531	126.227	122.021	109.408	76.827	104.821	131.162	149.541	177.857	204.775	188.354	173.576	206.522	222.242	200.428

domestic consumption

evolution of consumption by product [ton]



consumo doméstico

evolución del consumo por sector [ton]



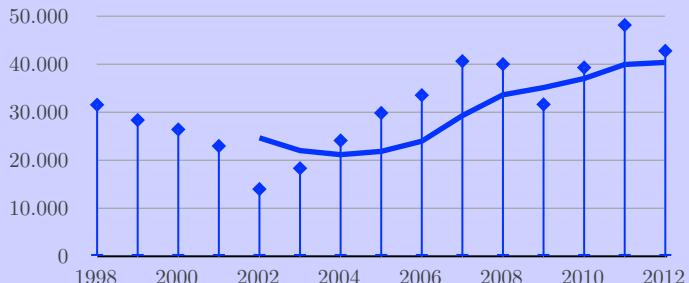
sector	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
construcción civil	31.589	28.397	26.449	23.007	14.032	18.365	24.151	29.878	33.586	40.670	40.040	31.669	39.347	48.186	42.811
extruídos	22.537	21.718	17.784	16.688	8.795	13.838	19.321	23.880	28.008	34.218	35.444	27.389	33.861	42.630	38.549
resto	9.052	6.679	8.665	6.319	5.237	4.527	4.830	5.998	5.578	6.452	4.596	4.280	5.486	5.556	4.262
envases	30.397	32.227	32.339	32.177	19.889	21.906	23.219	28.473	31.342	33.025	37.394	38.647	44.841	50.148	51.357
chapas y rollos	21.378	21.843	21.677	22.448	10.426	11.098	11.000	14.360	16.959	17.942	23.191	24.165	29.260	33.948	34.521
chapas finas y foil	9.019	10.384	10.662	9.729	9.463	10.808	12.219	14.113	14.383	15.083	14.203	14.482	15.581	16.200	16.836
transporte	17.639	16.288	17.321	16.356	15.062	20.910	29.485	31.311	35.953	38.477	36.156	28.057	37.763	36.848	38.608
chapas y rollos	2.286	1.469	2.404	2.293	1.254	1.548	2.509	2.883	3.669	3.396	3.557	1.937	3.817	2.983	2.653
chapas finas y foil	664	277	705	855	694	654	1.133	731	1.308	1.097	1.088	738	1.100	1.160	926
extruídos	1.467	1.357	1.096	1.175	687	1.043	1.585	1.595	2.081	2.042	2.272	1.722	2.007	3.130	2.270
fundidos	13.222	13.185	13.116	12.033	12.427	17.665	24.258	26.102	28.895	31.942	29.239	23.660	30.839	29.575	32.759
industria eléctrica	25.384	20.035	13.898	11.402	5.336	10.873	15.932	15.805	27.527	33.604	21.743	32.813	26.761	32.929	23.714
alambrón y cables	23.291	18.722	12.829	10.430	5.011	10.268	14.947	14.705	26.426	32.189	20.306	31.662	25.795	31.755	22.595
resto	2.093	1.313	1.069	972	325	605	985	1.100	1.101	1.415	1.437	1.151	966	1.174	1.119
bienes de consumo	11.816	9.910	10.527	8.388	4.903	8.916	9.991	12.834	13.074	15.802	15.742	12.929	16.467	16.397	16.422
chapas y rollos	4.498	3.718	3.618	3.114	1.927	3.194	4.519	5.592	5.382	6.458	6.191	5.121	6.428	4.618	5.896
extruídos	3.601	3.350	3.153	2.276	976	1.801	2.888	3.701	4.167	5.589	5.484	3.442	5.784	7.901	6.313
resto	3.717	2.842	3.756	2.998	2.000	3.921	2.584	3.541	3.525	3.755	4.067	4.366	4.255	3.878	4.213
máquinas y equipos	5.013	6.243	6.759	6.276	3.264	6.121	9.208	11.000	12.639	15.940	14.450	10.169	16.783	13.060	9.938
chapas y rollos	2.865	3.525	4.186	3.327	1.618	3.341	4.275	4.510	4.876	6.200	5.855	5.067	7.940	5.778	2.443
extruídos	1.700	2.130	1.994	2.521	1.400	2.260	3.264	3.976	5.596	6.941	6.043	3.948	7.414	5.893	5.953
resto	448	588	579	428	246	520	1.669	2.514	2.167	2.799	2.552	1.154	1.429	1.389	1.542
acerías	8.059	7.131	9.961	8.896	12.018	14.718	14.855	15.643	19.212	21.778	15.316	13.084	15.803	14.870	10.354
alambrón y cables	1.069	963	549	553	503	1.024	1.599	1.595	1.952	2.360	2.057	2.352	1.881	1.970	1.364
fundidos	6.990	6.168	9.412	8.343	11.515	13.694	13.256	14.048	17.260	19.418	13.259	10.732	13.922	12.900	8.990
otros sectores	5.634	5.998	4.769	2.905	2.324	3.012	4.322	4.597	4.524	5.478	7.513	6.209	8.755	9.804	7.224
consumo total	135.531	126.229	122.023	109.407	76.828	104.821	131.163	149.541	177.857	204.774	188.354	173.577	206.520	222.242	200.428

consumo doméstico

evolución del consumo por sector [ton]



construcción civil



envases



transporte



industria eléctrica



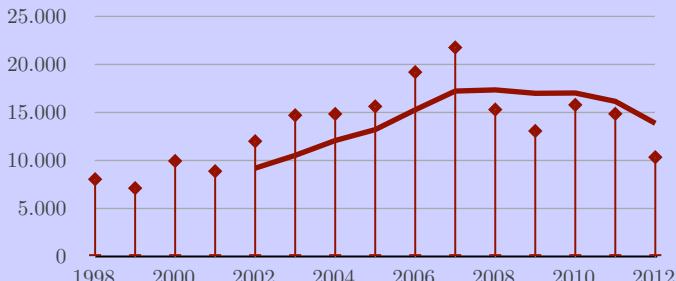
bienes de consumo



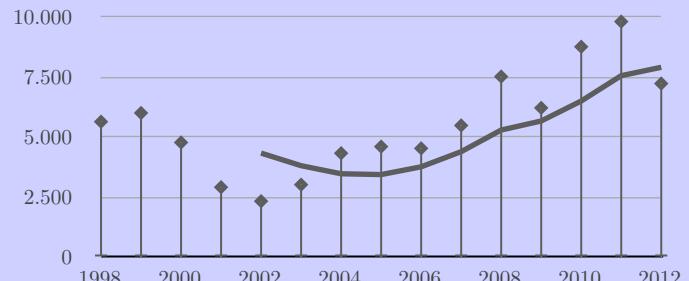
máquinas y equipos



acerías



otros sectores



domestic consumption

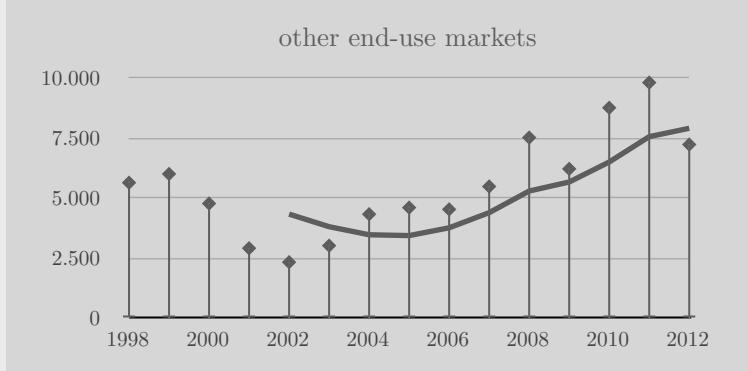
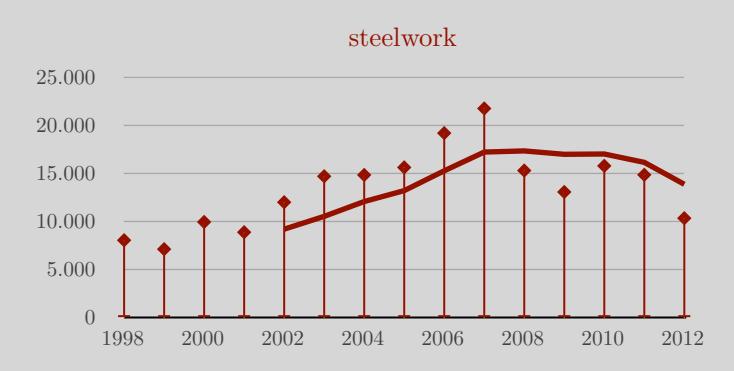
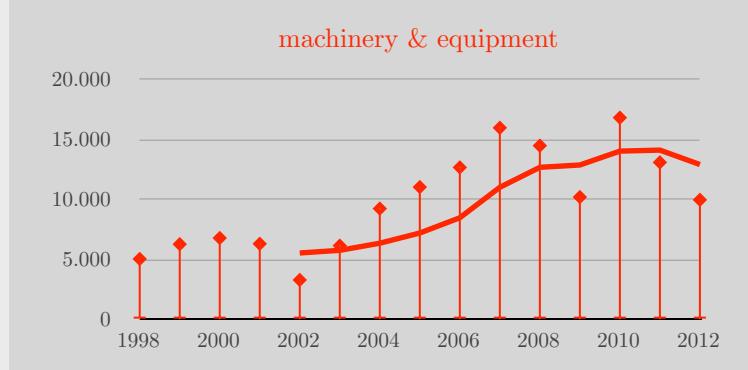
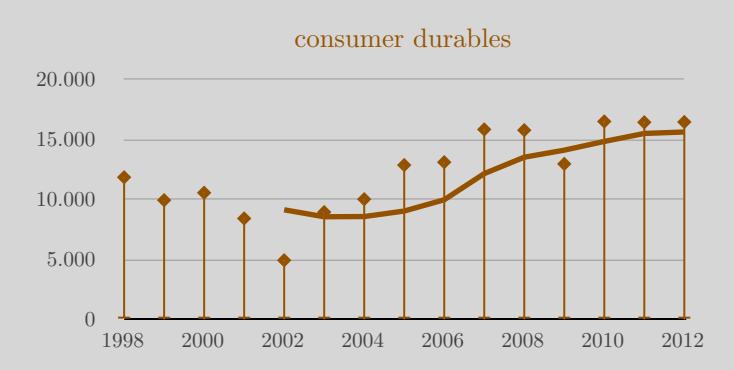
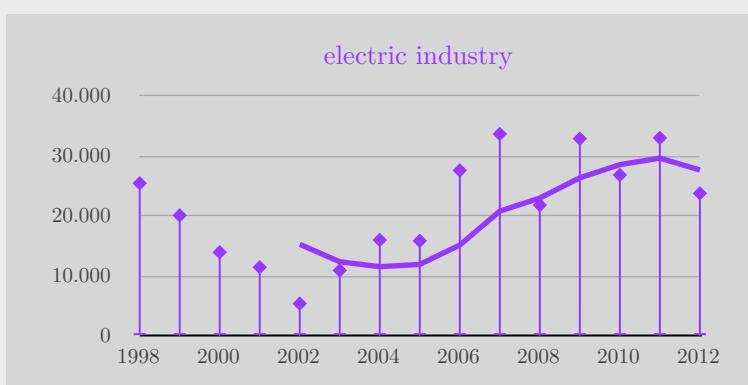
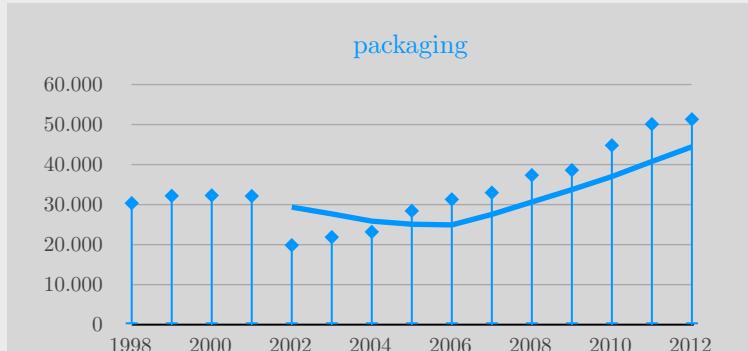
evolution of consumption by end-use market [ton]



end-use market	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
building & construction	31.589	28.397	26.449	23.007	14.032	18.365	24.151	29.878	33.586	40.670	40.040	31.669	39.347	48.186	42.811
extruded products	22.537	21.718	17.784	16.688	8.795	13.838	19.321	23.880	28.008	34.218	35.444	27.389	33.861	42.630	38.549
rest	9.052	6.679	8.665	6.319	5.237	4.527	4.830	5.998	5.578	6.452	4.596	4.280	5.486	5.556	4.262
packaging	30.397	32.227	32.339	32.177	19.889	21.906	23.219	28.473	31.342	33.025	37.394	38.647	44.841	50.148	51.357
plates, sheets & strip	21.378	21.843	21.677	22.448	10.426	11.098	11.000	14.360	16.959	17.942	23.191	24.165	29.260	33.948	34.521
foil	9.019	10.384	10.662	9.729	9.463	10.808	12.219	14.113	14.383	15.083	14.203	14.482	15.581	16.200	16.836
transportation	17.639	16.288	17.321	16.356	15.062	20.910	29.485	31.311	35.953	38.477	36.156	28.057	37.763	36.848	38.608
plates, sheets & strip	2.286	1.469	2.404	2.293	1.254	1.548	2.509	2.883	3.669	3.396	3.557	1.937	3.817	2.983	2.653
foil	664	277	705	855	694	654	1.133	731	1.308	1.097	1.088	738	1.100	1.160	926
extruded products	1.467	1.357	1.096	1.175	687	1.043	1.585	1.595	2.081	2.042	2.272	1.722	2.007	3.130	2.270
castings	13.222	13.185	13.116	12.033	12.427	17.665	24.258	26.102	28.895	31.942	29.239	23.660	30.839	29.575	32.759
electric industry	25.384	20.035	13.898	11.402	5.336	10.873	15.932	15.805	27.527	33.604	21.743	32.813	26.761	32.929	23.714
wires, rod & cables	23.291	18.722	12.829	10.430	5.011	10.268	14.947	14.705	26.426	32.189	20.306	31.662	25.795	31.755	22.595
rest	2.093	1.313	1.069	972	325	605	985	1.100	1.101	1.415	1.437	1.151	966	1.174	1.119
consumer durables	11.816	9.910	10.527	8.388	4.903	8.916	9.991	12.834	13.074	15.802	15.742	12.929	16.467	16.397	16.422
plates, sheets & strip	4.498	3.718	3.618	3.114	1.927	3.194	4.519	5.592	5.382	6.458	6.191	5.121	6.428	4.618	5.896
extruded products	3.601	3.350	3.153	2.276	976	1.801	2.888	3.701	4.167	5.589	5.484	3.442	5.784	7.901	6.313
rest	3.717	2.842	3.756	2.998	2.000	3.921	2.584	3.541	3.525	3.755	4.067	4.366	4.255	3.878	4.213
machinery & equipment	5.013	6.243	6.759	6.276	3.264	6.121	9.208	11.000	12.639	15.940	14.450	10.169	16.783	13.060	9.938
plates, sheets & strip	2.865	3.525	4.186	3.327	1.618	3.341	4.275	4.510	4.876	6.200	5.855	5.067	7.940	5.778	2.443
extruded products	1.700	2.130	1.994	2.521	1.400	2.260	3.264	3.976	5.596	6.941	6.043	3.948	7.414	5.893	5.953
rest	448	588	579	428	246	520	1.669	2.514	2.167	2.799	2.552	1.154	1.429	1.389	1.542
steelwork	8.059	7.131	9.961	8.896	12.018	14.718	14.855	15.643	19.212	21.778	15.316	13.084	15.803	14.870	10.354
plates, sheets & strip	1.069	963	549	553	503	1.024	1.599	1.595	1.952	2.360	2.057	2.352	1.881	1.970	1.364
castings	6.990	6.168	9.412	8.343	11.515	13.694	13.256	14.048	17.260	19.418	13.259	10.732	13.922	12.900	8.990
other end-use markets	5.634	5.998	4.769	2.905	2.324	3.012	4.322	4.597	4.524	5.478	7.513	6.209	8.755	9.804	7.224
total consumption	135.531	126.229	122.023	109.407	76.828	104.821	131.163	149.541	177.857	204.774	188.354	173.577	206.520	222.242	200.428

domestic consumption

evolution of consumption by end-use market [ton]



consumo doméstico

evolución del consumo “per capita” [ton]



descripción	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
+ producción primario [ton]	185.140	204.600	263.744	245.052	268.806	272.252	271.675	270.580	277.779	292.700	399.715	406.700	417.056	420.255	408.240
+ importación primario [ton]	4.871	4.445	3.225	3.175	1.037	1.750	2.360	1.922	4.748	4.661	3.998	10.328	7.406	13.834	14.583
± Δ stock primario [ton]	n/d	-2.859	-2.736	35	-6.600	-11.123	2.509	-13.719	12.276	-1.551	20.607	-14.000	-3.019	-3.546	8.045
+ importación elaborado [ton]	57.168	53.548	54.356	48.086	22.681	17.873	22.973	27.986	33.986	36.834	42.829	42.620	56.944	60.477	56.501
+ recuperación secundario [ton]	20.806	23.312	35.039	28.383	27.877	35.052	38.664	44.694	48.084	54.944	43.265	39.133	60.231	38.232	26.045
— exportación primario [ton]	115.178	123.596	187.859	182.532	200.519	199.866	163.084	168.511	131.070	151.459	243.009	288.521	287.606	254.392	246.964
— exportación elaborado [ton]	26.689	35.217	38.181	28.979	45.007	35.068	35.182	39.497	32.465	29.410	32.448	34.026	39.124	47.226	49.632
= consumo aparente [ton]	126.118	129.951	133.060	113.150	81.475	103.116	134.897	150.893	188.786	209.821	193.743	190.234	217.926	234.726	200.728
población [millones de habitantes]	36,0	36,4	36,8	37,2	37,5	37,9	38,2	38,6	39,0	39,4	39,8	40,1	40,5	40,9	41,4
consumo “per capita” [kilos/hab.]	3,5	3,6	3,6	3,0	2,2	2,7	3,5	3,9	4,8	5,3	4,9	4,7	5,4	5,7	4,8

evolución del consumo doméstico “per capita”



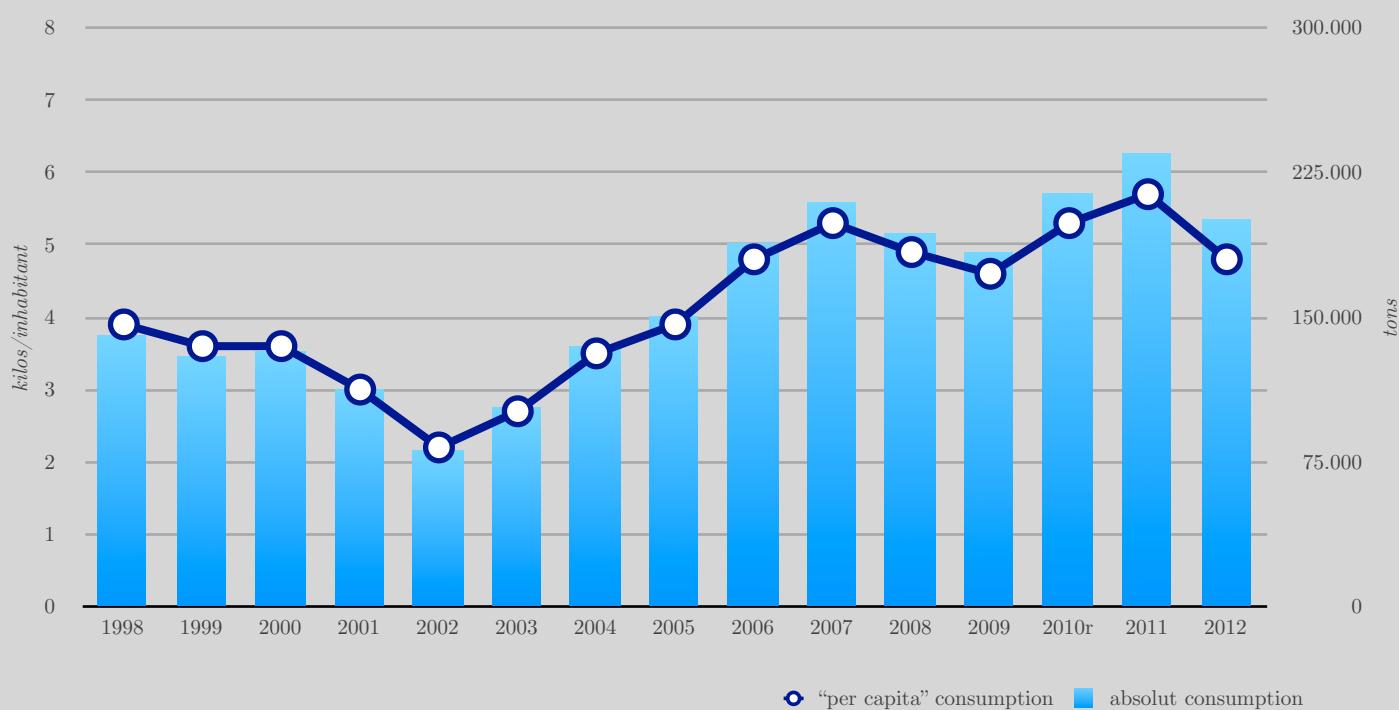
domestic consumption

evolution of “per capita” consumption [ton]



description	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
+ ingot production [ton]	185.140	204.600	263.744	245.052	268.806	272.252	271.675	270.580	277.779	292.700	399.715	406.700	417.056	420.255	408.240
+ imports of ingots [ton]	19.238	4.348	2.632	2.520	624	1.590	2.163	1.543	4.164	4.149	3.592	3.440	3.519	13.833	14.583
± ingot inventory change [ton]	n/d	-2.859	-2.736	35	-6.600	-11.123	2.509	-13.719	12.276	-1.551	20.607	-14.000	-3.019	-3.546	8.045
+ imports of mill products [ton]	57.168	53.548	54.356	48.086	22.681	17.873	22.973	27.986	33.986	36.834	42.829	42.620	56.944	60.477	56.501
+ recovery of secondary [ton]	20.806	23.312	35.039	28.383	27.877	35.052	38.664	44.694	48.084	54.944	43.265	39.133	60.231	38.232	26.045
— exports of ingots [ton]	115.178	123.596	187.859	182.532	200.519	199.866	163.084	168.511	131.070	151.459	243.009	288.521	287.606	254.392	246.964
— exports of mill products [ton]	26.689	35.217	38.181	28.979	45.007	35.068	35.182	39.497	32.465	29.410	32.448	34.026	39.124	47.226	49.632
= apparent consumption [ton]	140.485	129.854	132.467	112.495	81.062	102.956	134.700	150.514	188.202	209.309	193.337	183.346	214.039	234.725	200.728
population [million inhabitants]	36,0	36,4	36,8	37,2	37,5	37,9	38,2	38,6	39,0	39,4	39,8	40,1	40,5	40,9	41,4
“per capita” consumption [kg/inhab.]	3,9	3,6	3,6	3,0	2,2	2,7	3,5	3,9	4,8	5,3	4,9	4,6	5,3	5,7	4,8

Evolution of “per capita” consumption



comercio exterior

evolución del saldo comercial [millones de dólares de 2012]



descripción	año														
	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
exportaciones capítulo 76	319	342	535	449	471	477	466	526	545	613	829	611	808	878	728
importaciones capítulo 76	317	270	256	222	85	88	121	148	196	234	270	207	313	366	300
saldo comercial capítulo 76	2	72	279	227	386	389	345	378	349	379	559	404	495	512	428
saldo comercial total Argentina	-9.912	517	3.546	6.837	21.624	19.023	12.109	10.910	15.158	14.406	15.509	19.599	15.032	13.831	12.545

evolución del saldo comercial (base 100 = promedio del período)



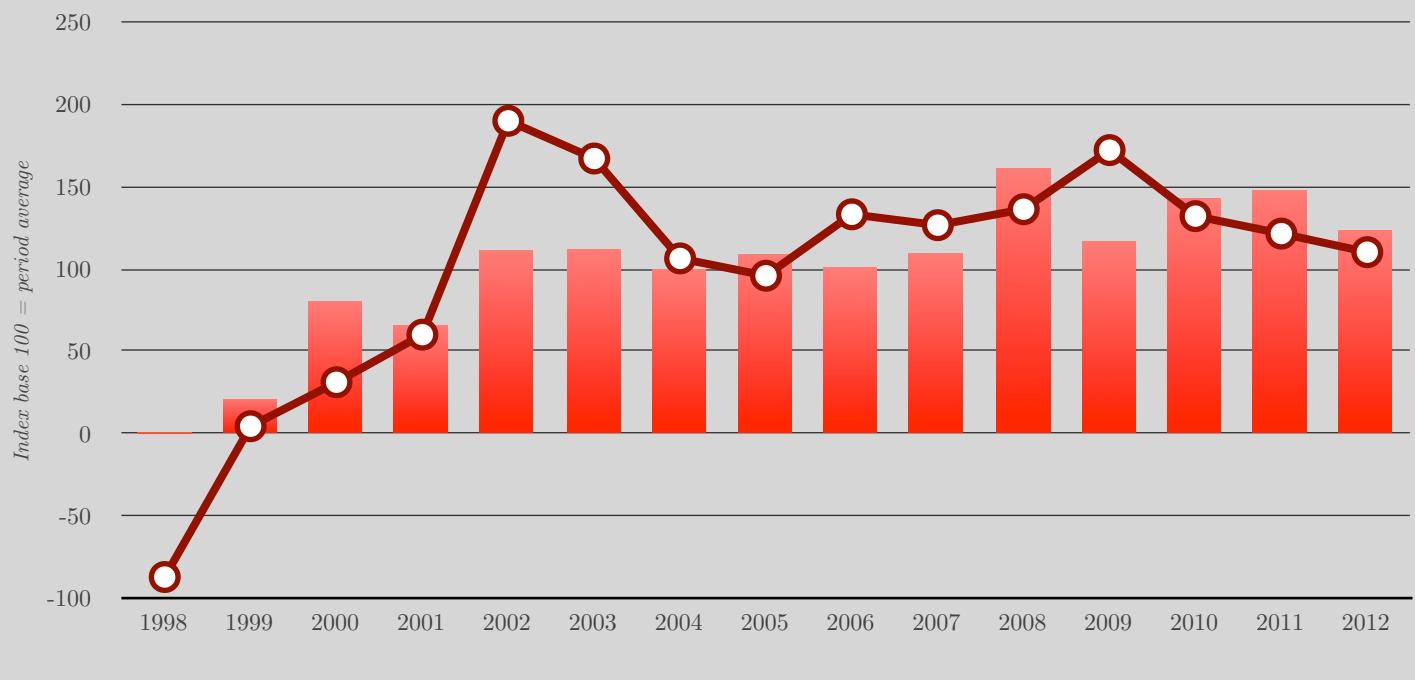
foreign trade

evolution of foreign trade balance [2012 million dollars]



description	year														
	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
exports chapter 76	319	342	535	449	471	477	466	526	545	613	829	611	808	878	728
imports chapter 76	317	270	256	222	85	88	121	148	196	234	270	207	313	366	300
chapter 76 foreign trade balance	2	72	279	227	386	389	345	378	349	379	559	404	495	512	428
Argentina's foreign trade balance	-9.912	517	3.546	6.837	21.624	19.023	12.109	10.910	15.158	14.406	15.509	19.599	15.032	13.831	12.545

evolution of foreign trade balance (base 100 = period average)



comercio exterior

evolución de las exportaciones por producto [ton]



producto	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
aluminio primario	115.178	123.596	187.859	182.532	200.519	199.866	163.084	168.511	131.070	151.459	243.009	288.521	287.606	254.392	249.212
chapas y rollos	3.905	1.907	3.547	3.825	3.888	5.029	4.114	4.753	5.277	4.264	5.061	6.192	6.431	5.949	3.234
laminados estándar	3.905	1.907	3.547	3.825	3.888	3.656	3.351	3.046	2.437	1.828	1.888	1.523	1.756	2.092	1.332
chapas para latas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
tejos	0	0	0	0	0	1.373	763	1.707	2.840	2.436	3.173	4.669	4.675	3.857	1.902
pomos	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
menaje	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
otros	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
chapas finas y foil	3.068	3.390	4.567	4.351	3.145	3.524	3.761	3.693	3.695	2.733	1.924	1.696	2.290	2.749	2.990
foil estándar	3.068	3.390	4.567	4.351	3.145	3.524	3.761	3.693	3.695	2.733	1.924	1.696	2.290	2.749	2.990
foil impreso/con soporte	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
otros	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
extruidos	678	763	622	1.135	1.649	2.894	2.889	1.818	2.484	2.936	3.916	2.838	4.402	3.893	3.537
perfles	243	274	223	408	592	1.039	1.037	653	892	1.054	1.406	1.019	1.581	1.398	1.270
tubos	342	385	314	572	831	1.459	1.456	916	1.252	1.480	1.974	1.431	2.219	1.962	1.783
otros	93	104	85	155	226	396	395	249	340	402	536	388	602	533	484
alambrón y cables	30.998	25.115	25.208	12.640	24.733	21.777	22.926	28.113	19.023	18.118	19.888	20.668	23.916	32.366	38.574
cables eléctricos	30.998	25.115	25.208	12.640	24.733	21.777	22.926	28.113	19.023	18.118	19.888	20.668	23.916	32.366	38.574
otros	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
fundidos	471	636	958	946	1.058	1.005	819	845	661	761	1.218	1.450	1.443	1.279	544
piezas fundidas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
otros	471	636	958	946	1.058	1.005	819	845	661	761	1.218	1.450	1.443	1.279	544
otros productos	1.067	458	472	392	594	737	756	661	759	647	970	1.091	1.076	855	753
total exportaciones capítulo 76	155.365	155.865	223.233	205.820	235.585	234.832	198.349	208.394	162.970	180.917	275.986	322.456	327.164	301.483	298.844

foreign trade



evolution of exports by product [ton]

product	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
primary aluminum/scrap	93.780	126.544	190.665	188.222	210.459	199.968	163.002	168.125	131.636	151.410	242.480	288.480	287.172	254.527	249.212
plates, sheets & strip	3.905	1.907	3.547	3.825	3.888	5.029	4.114	4.753	5.277	4.264	5.061	6.192	6.431	5.949	3.234
<i>standard sheets</i>	<i>3.905</i>	<i>1.907</i>	<i>3.547</i>	<i>3.825</i>	<i>3.888</i>	<i>3.656</i>	<i>3.351</i>	<i>3.046</i>	<i>2.437</i>	<i>1.828</i>	<i>1.888</i>	<i>1.523</i>	<i>1.756</i>	<i>2.092</i>	<i>1.332</i>
<i>can stock</i>	<i>0</i>														
<i>slugs</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>1.373</i>	<i>763</i>	<i>1.707</i>	<i>2.840</i>	<i>2.436</i>	<i>3.173</i>	<i>4.669</i>	<i>4.675</i>	<i>3.857</i>	<i>1.902</i>
<i>semirigid tubes</i>	<i>0</i>														
<i>cookware</i>	<i>0</i>														
<i>others</i>	<i>0</i>														
foil	3.068	3.390	4.567	4.351	3.145	3.524	3.761	3.693	3.695	2.733	1.924	1.696	2.290	2.749	2.990
<i>standard foil</i>	<i>3.068</i>	<i>3.390</i>	<i>4.567</i>	<i>4.351</i>	<i>3.145</i>	<i>3.524</i>	<i>3.761</i>	<i>3.693</i>	<i>3.695</i>	<i>2.733</i>	<i>1.924</i>	<i>1.696</i>	<i>2.290</i>	<i>2.749</i>	<i>2.990</i>
<i>printed/supported foil</i>	<i>0</i>														
<i>others</i>	<i>0</i>														
extruded products	678	763	622	1.135	1.649	2.894	2.889	1.818	2.484	2.936	3.916	2.838	4.402	3.893	3.537
<i>profiles</i>	<i>243</i>	<i>274</i>	<i>223</i>	<i>408</i>	<i>592</i>	<i>1.039</i>	<i>1.037</i>	<i>653</i>	<i>892</i>	<i>1.054</i>	<i>1.406</i>	<i>1.019</i>	<i>1.581</i>	<i>1.398</i>	<i>1.270</i>
<i>tubes</i>	<i>342</i>	<i>385</i>	<i>314</i>	<i>572</i>	<i>831</i>	<i>1.459</i>	<i>1.456</i>	<i>916</i>	<i>1.252</i>	<i>1.480</i>	<i>1.974</i>	<i>1.431</i>	<i>2.219</i>	<i>1.962</i>	<i>1.783</i>
<i>others</i>	<i>93</i>	<i>104</i>	<i>85</i>	<i>155</i>	<i>226</i>	<i>396</i>	<i>395</i>	<i>249</i>	<i>340</i>	<i>402</i>	<i>536</i>	<i>388</i>	<i>602</i>	<i>533</i>	<i>484</i>
wires, rod & cables	30.998	25.115	25.208	12.640	24.733	21.777	22.926	28.113	19.023	18.118	19.888	20.668	23.916	32.366	38.574
<i>electric wire</i>	<i>30.998</i>	<i>25.115</i>	<i>25.208</i>	<i>12.640</i>	<i>24.733</i>	<i>21.777</i>	<i>22.926</i>	<i>28.113</i>	<i>19.023</i>	<i>18.118</i>	<i>19.888</i>	<i>20.668</i>	<i>23.916</i>	<i>32.366</i>	<i>38.574</i>
<i>others</i>	<i>0</i>														
castings	471	636	958	946	1.058	1.005	819	845	661	761	1.218	1.450	1.443	1.279	544
<i>cast parts</i>	<i>0</i>														
<i>others</i>	<i>471</i>	<i>636</i>	<i>958</i>	<i>946</i>	<i>1.058</i>	<i>1.005</i>	<i>819</i>	<i>845</i>	<i>661</i>	<i>761</i>	<i>1.218</i>	<i>1.450</i>	<i>1.443</i>	<i>1.279</i>	<i>544</i>
other products	1.067	458	472	392	594	737	756	661	759	647	970	1.091	1.076	855	753
total exports chapter 76	133.967	158.813	226.039	211.510	245.525	234.934	198.267	208.008	163.536	180.868	275.457	322.415	326.730	301.618	298.844

comercio exterior



evolución de las importaciones por producto [ton]

producto	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
aluminio primario/scrap	4.955	4.446	3.245	3.257	1.092	1.837	2.381	1.944	4.820	4.690	4.013	10.420	13.083	21.699	19.621
chapas y rollos	22.368	23.640	25.932	25.524	9.825	9.144	11.691	14.643	17.899	19.098	24.432	22.040	30.930	28.188	27.108
laminados estándar	1.754	326	2.854	3.853	350	530	867	966	1.147	1.461	1.703	1.277	2.609	1.692	1.359
chapas para latas	10.996	12.996	9.435	7.720	4.806	3.762	3.785	4.708	6.675	5.927	7.111	8.370	8.589	8.225	6.719
tejos	2.031	2.513	2.912	3.370	2.672	2.526	3.748	5.117	5.645	6.254	6.873	6.850	8.820	7.952	10.131
pomos	301	391	878	523	159	53	44	122	157	224	406	300	121	274	1.124
menaje	990	1.564	2.456	2.445	449	962	1.595	1.833	1.898	2.215	2.736	2.172	3.433	3.488	2.634
otros	6.296	5.850	7.397	7.613	1.389	1.311	1.652	1.897	2.377	3.017	5.603	3.071	7.358	6.557	5.141
chapas finas y foil	10.152	10.873	12.489	10.987	6.554	6.314	7.882	8.778	9.909	10.148	10.107	10.421	11.835	13.886	11.228
foil estándar	5.783	5.715	7.184	6.006	3.187	2.712	3.374	4.108	4.081	3.866	3.528	4.289	3.847	4.490	2.661
foil impreso/con soporte	2.288	2.345	2.585	2.127	1.190	1.509	2.227	2.438	2.746	2.893	2.505	1.733	3.461	4.469	4.099
otros	2.081	2.813	2.720	2.854	2.177	2.093	2.281	2.232	3.082	3.389	4.074	4.399	4.527	4.927	4.468
extruidos	4.280	4.660	4.917	3.819	1.631	1.298	2.113	2.448	3.417	4.288	4.992	3.927	5.387	7.609	7.893
perfles	2.234	2.184	2.610	1.897	330	418	785	937	1.209	1.560	2.404	1.499	2.458	3.570	4.155
tubos	648	636	630	702	454	694	1.015	974	1.206	1.521	1.489	1.307	2.026	2.474	2.611
otros	1.398	1.840	1.677	1.220	847	186	313	537	1.002	1.207	1.099	1.121	903	1.565	1.127
alambrón y cables	9.679	10.172	8.446	5.863	829	1.132	642	453	598	1.002	634	503	948	1.039	1.390
cables eléctricos	9.306	9.759	8.056	5.667	727	972	523	346	460	838	476	379	819	887	1.202
otros	373	413	390	196	102	160	119	107	138	164	158	124	129	152	188
fundidos	97	122	188	161	154	100	176	165	181	228	239	200	415	546	640
piezas fundidas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
otros	97	122	188	161	154	100	176	165	181	228	239	200	415	546	640
otros productos	2.192	2.524	2.257	1.466	783	936	1.195	1.500	1.501	2.058	2.383	2.260	3.427	3.910	3.204
total importaciones capítulo 76	53.723	56.437	57.474	51.077	20.868	20.761	26.080	29.931	38.325	41.512	46.800	49.771	66.025	76.877	71.084

foreign trade



evolution of imports by product [ton]

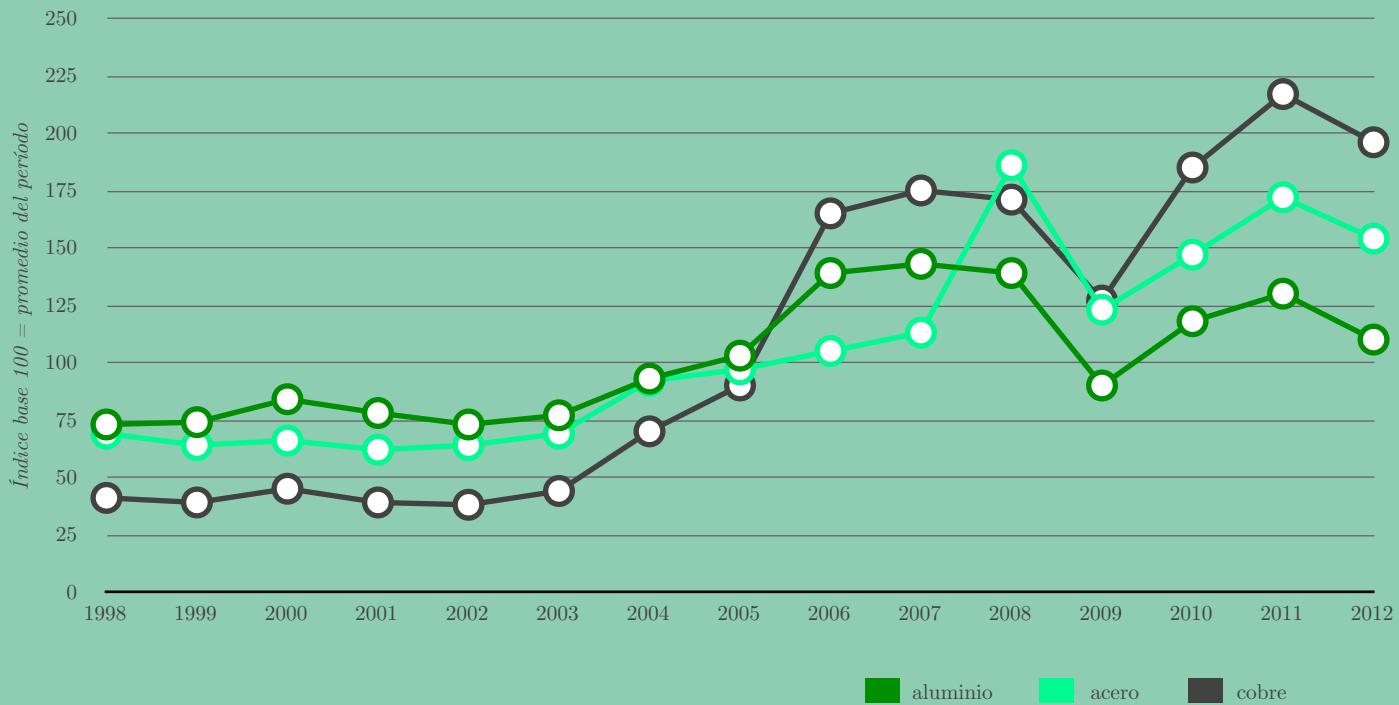
product	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
primary aluminum	4.955	4.446	3.245	3.257	1.092	1.837	2.381	1.944	4.820	4.690	4.013	10.420	13.083	21.699	19.621
plates, sheets & strip	22.368	23.640	25.932	25.524	9.825	9.144	11.691	14.643	17.899	19.098	24.432	22.040	30.930	28.188	27.108
<i>standard sheets</i>	1.754	326	2.854	3.853	350	530	867	966	1.147	1.461	1.703	1.277	2.609	1.692	1.359
<i>can stock</i>	10.996	12.996	9.435	7.720	4.806	3.762	3.785	4.708	6.675	5.927	7.111	8.370	8.589	8.225	6.719
<i>slugs</i>	2.031	2.513	2.912	3.370	2.672	2.526	3.748	5.117	5.645	6.254	6.873	6.850	8.820	7.952	10.131
<i>semirigid tubes</i>	301	391	878	523	159	53	44	122	157	224	406	300	121	274	1.124
<i>cookware</i>	990	1.564	2.456	2.445	449	962	1.595	1.833	1.898	2.215	2.736	2.172	3.433	3.488	2.634
<i>others</i>	6.296	5.850	7.397	7.613	1.389	1.311	1.652	1.897	2.377	3.017	5.603	3.071	7.358	6.557	5.141
foil	10.152	10.873	12.489	10.987	6.554	6.314	7.882	8.778	9.909	10.148	10.107	10.421	11.835	13.886	11.228
<i>standard foil</i>	5.783	5.715	7.184	6.006	3.187	2.712	3.374	4.108	4.081	3.866	3.528	4.289	3.847	4.490	2.661
<i>printed/supported foil</i>	2.288	2.345	2.585	2.127	1.190	1.509	2.227	2.438	2.746	2.893	2.505	1.733	3.461	4.469	4.099
<i>others</i>	2.081	2.813	2.720	2.854	2.177	2.093	2.281	2.232	3.082	3.389	4.074	4.399	4.527	4.927	4.468
extruded products	4.280	4.660	4.917	3.819	1.631	1.298	2.113	2.448	3.417	4.288	4.992	3.927	5.387	7.609	7.893
<i>profiles</i>	2.234	2.184	2.610	1.897	330	418	785	937	1.209	1.560	2.404	1.499	2.458	3.570	4.155
<i>tubes</i>	648	636	630	702	454	694	1.015	974	1.206	1.521	1.489	1.307	2.026	2.474	2.611
<i>others</i>	1.398	1.840	1.677	1.220	847	186	313	537	1.002	1.207	1.099	1.121	903	1.565	1.127
wires, rod & cables	9.679	10.172	8.446	5.863	829	1.132	642	453	598	1.002	634	503	948	1.039	1.390
<i>electric wire</i>	9.306	9.759	8.056	5.667	727	972	523	346	460	838	476	379	819	887	1.202
<i>others</i>	373	413	390	196	102	160	119	107	138	164	158	124	129	152	188
castings	97	122	188	161	154	100	176	165	181	228	239	200	415	546	640
<i>cast parts</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>others</i>	97	122	188	161	154	100	176	165	181	228	239	200	415	546	640
other products	2.192	2.524	2.257	1.466	783	936	1.195	1.500	1.501	2.058	2.383	2.260	3.427	3.910	3.204
total imports chapter 76	53.723	56.437	57.474	51.077	20.868	20.761	26.080	29.931	38.325	41.512	46.800	49.771	66.025	76.877	71.084

indicadores económicos

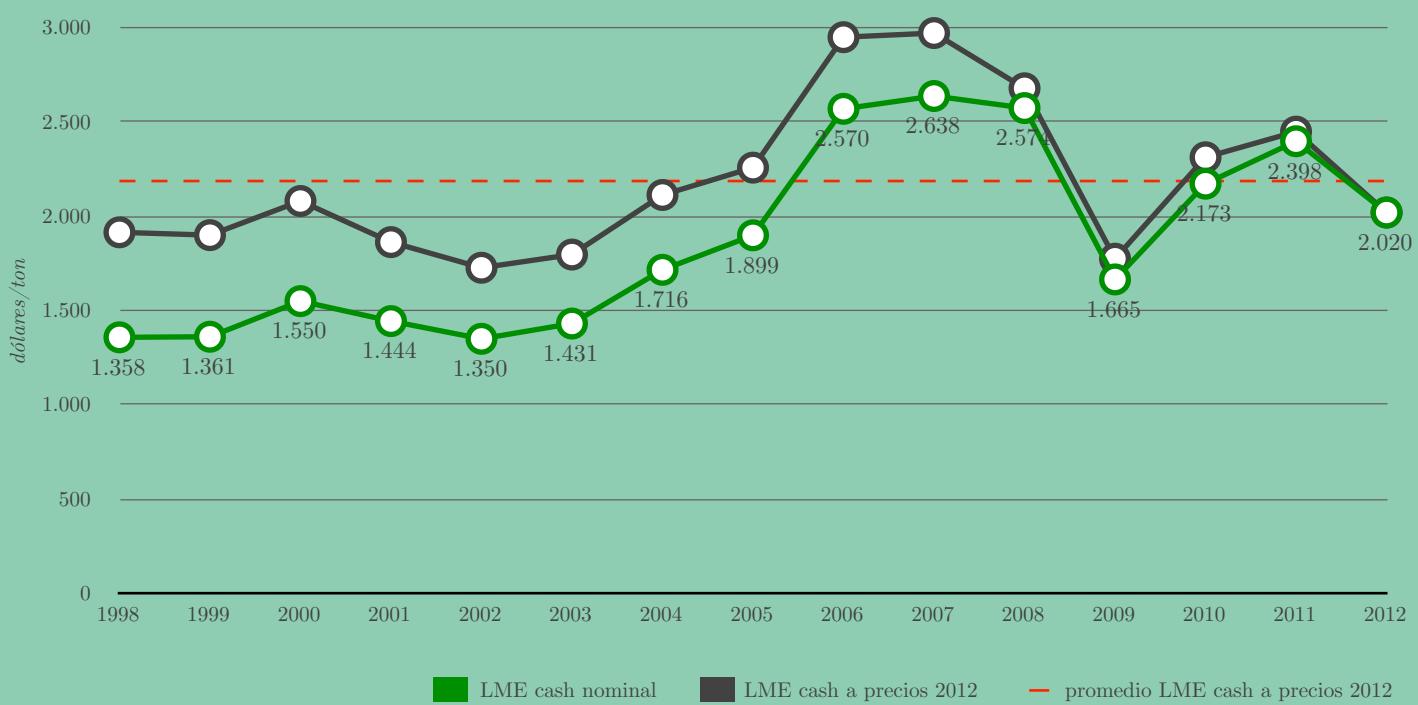
indicadores de precios



evolución de los precios internacionales de commodities industriales



evolución del precio del aluminio primario a precios constantes 2012 (IPC Estados Unidos)

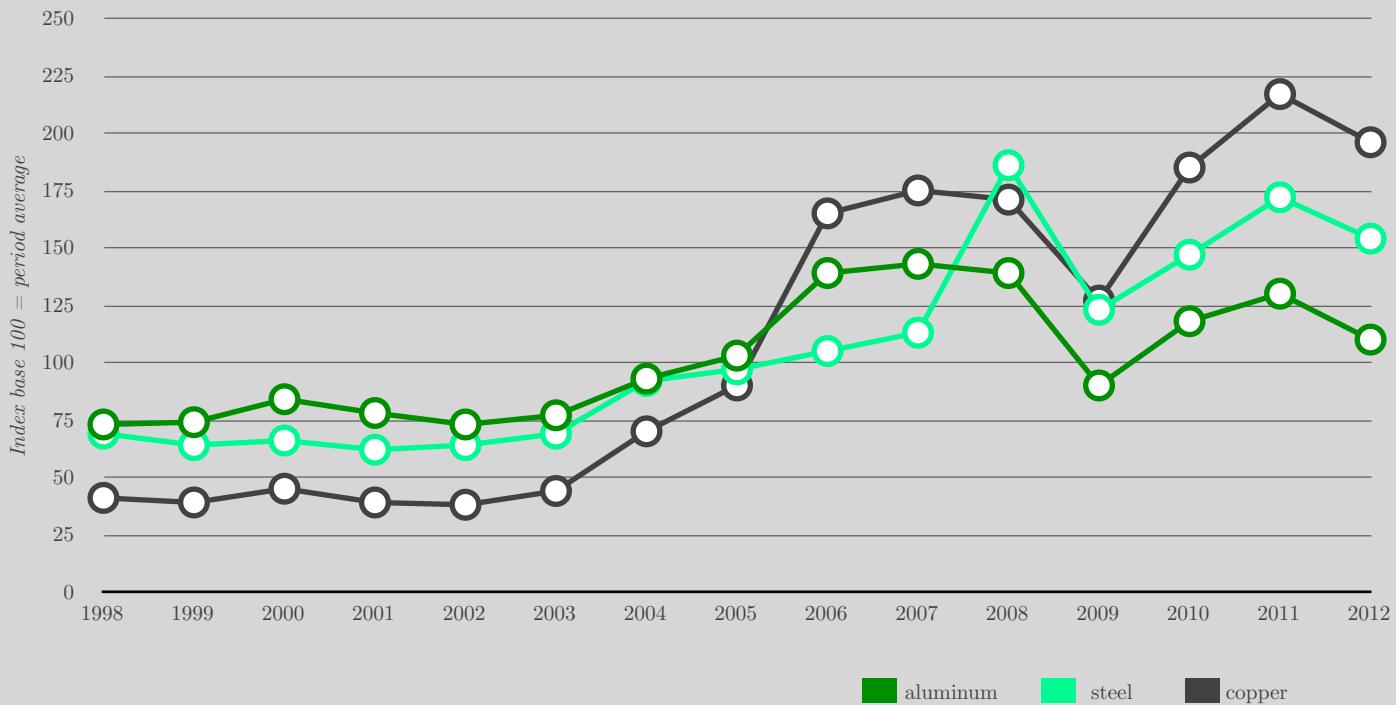


economic figures

prices index



evolution of industrial commodities international prices



primary aluminum price evolution at 2012 prices (PCI United States)



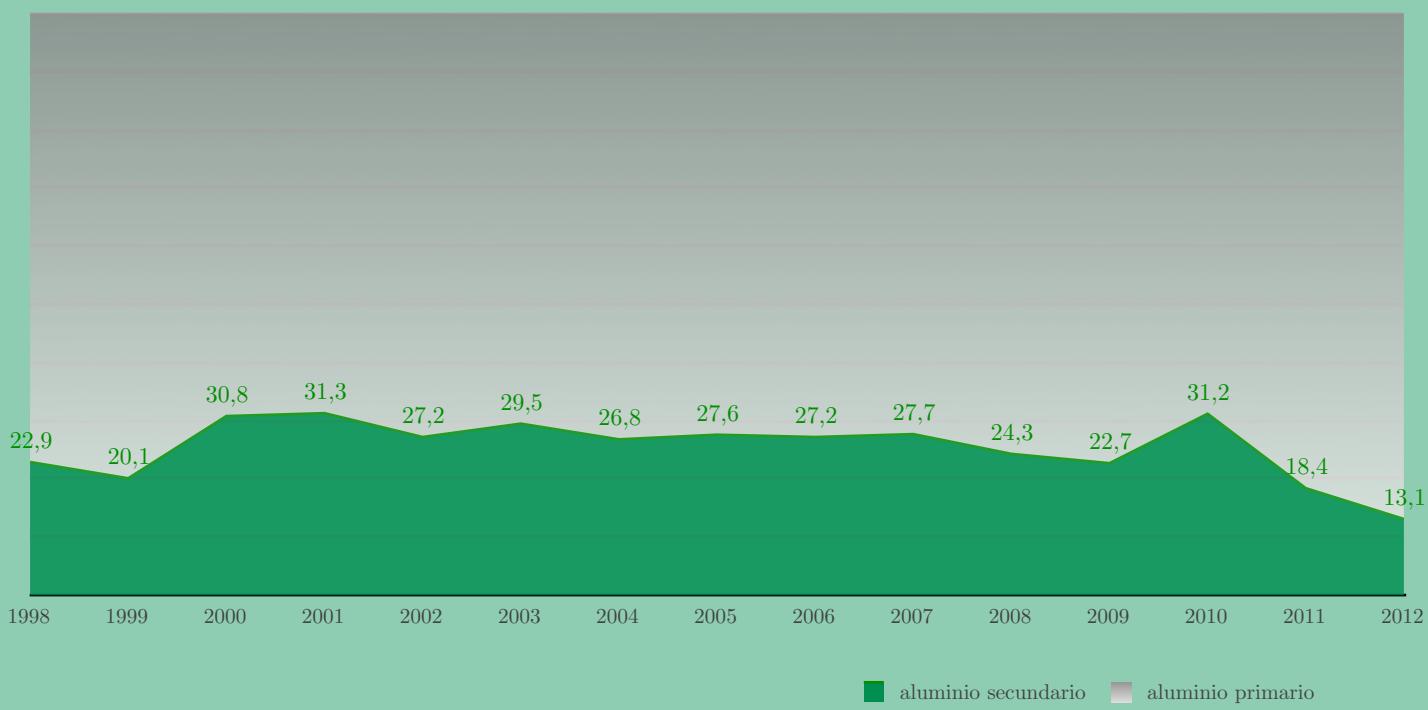
indicadores económicos

indicadores de reciclado [ton]



descripción	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
+ producción elaborado	64.079	80.957	75.479	61.889	57.757	83.492	109.562	121.956	144.527	168.481	145.946	137.949	153.576	160.418	148.966
+ exportación elaborado	26.689	35.217	38.181	28.979	45.007	35.068	35.182	39.497	32.465	29.410	32.448	34.026	39.124	47.226	49.632
= demanda doméstica lingote	90.768	116.174	113.660	90.868	102.764	118.560	144.744	161.453	176.992	197.891	178.394	171.975	192.700	207.644	198.598
— provisión aluminio primario	69.962	92.862	78.621	62.485	74.887	83.508	106.080	116.759	128.908	142.947	135.129	132.842	132.469	169.412	172.553
= provisión aluminio secundario	20.806	23.312	35.039	28.383	27.877	35.052	38.664	44.694	48.084	54.944	43.265	39.133	60.231	38.232	26.045
% lingote reciclado	22,9%	20,1%	30,8%	31,2%	27,1%	29,6%	26,7%	27,7%	27,2%	27,8%	24,3%	22,8%	31,3%	18,4%	13,1%

evolución del consumo doméstico de aluminio secundario [% de la provisión total]



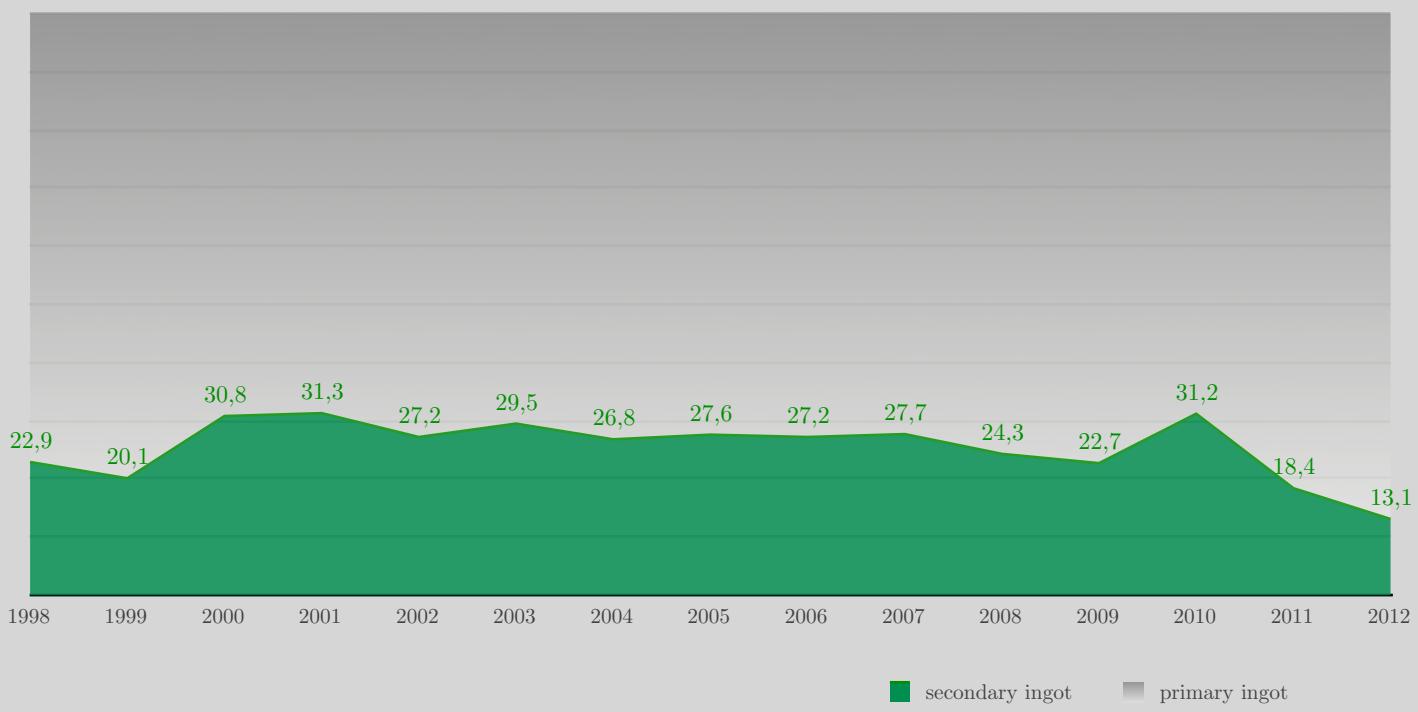
economic figures

recycling indexes [ton]



description	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
+ mill products production	64.079	80.957	75.479	61.889	57.757	83.492	109.562	121.956	144.527	168.481	145.946	137.949	153.576	160.418	148.966
+ mill products exports	26.689	35.217	38.181	28.979	45.007	35.068	35.182	39.497	32.465	29.410	32.448	34.026	39.124	47.226	49.632
= ingot domestic demand	90.768	116.174	113.660	90.868	102.764	118.560	144.744	161.453	176.992	197.891	178.394	171.975	192.700	207.644	198.598
— primary ingot provision	69.962	92.862	78.621	62.485	74.887	83.508	106.080	116.759	128.908	142.947	135.129	132.842	132.469	169.412	172.553
= secondary ingot provision	20.806	23.312	35.039	28.383	27.877	35.052	38.664	44.694	48.084	54.944	43.265	39.133	60.231	38.232	26.045
% recycled ingot	22,9%	20,1%	30,8%	31,2%	27,1%	29,6%	26,7%	27,7%	27,2%	27,8%	24,3%	22,8%	31,3%	18,4%	13,1%

evolution of domestic consumption of secondary aluminium [% of total provision]



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.....	Mr. Vicente Labate	MONT PAT
Substitute representatives	Eng. Santiago Lonardi	DLSA
.....	Mr. Jorge Lentino	OBRAS METÁLICAS
.....	Mr. Luis A. Maglione	METAL VENETA
.....	Eng. Enrique Sagripanti	HEIL TRAILER INTERNATIONAL
Holding accounts auditors	Mr. Leonardo Monteleone	QUIMING
.....	Mr. Luciano Principi	MADEXA
Substitute accounts auditors	Mr. Ricardo Caccia	ALENEX
.....	Eng. Héctor Dall'O	ARCOLANA
.....	Mr. Vicente Miele	GRUPO MAX

Associates' committees

Packaging	Eng. Hugo Della Ninna	AKAPOL
Extruded products	Eng. Roberto Bossi	ALCEMAR
Coatings	Dr. Daniel Volpe	ANODIZADO CALIFORNIA
Refiners	Mr. Antonio Bacero	SICAMAR METALES

Sub-committees

Foreign Trade and Mercosur	Lic. Jorge García Arias	ALUAR DIVISIÓN ELABORADOS
Science, Technology and Instruction	Dr. Carlos Castellano	CAIAMA
Press and Expositions	Eng. Héctor Bottinelli	CAIAMA

Advisers

Accountings and taxes	Dr. Fernando Piovano	CAIAMA
Product development	Lic. Marcelo Maffei	ALUAR ALUMINIO ARGENTINO
Law and labor	Dr. Carlos Echezarreta	CAIAMA
Legal	Dr. Carlos Echezarreta	CAIAMA
.....	Dr. Eduardo Zamorano	CAIAMA
Technical	Eng. Mauricio Gurski	CAIAMA



	laminación	extrusión	fundición
construcción civil	flejes para cielorrasos; chapas para techos; membranas para techos; chapas para recubrir frentes; chapas de uso arquitectónico; chapas antideslizantes; paneles compuestos.	perfles para puertas y ventanas; perfles para aplicaciones arquitectónicas; perfles para cielorrasos; perfles para carteles.	chapas aluminizadas, piezas fundidas para radiadores para calefacción.
envases	hojas delgadas (foil) desnudas y compuestas para envases de alimentos, cigarrillos, etc.; tejos para aerosoles y pomos; chapas para envases de bebidas; chapas para tapas de envases y botellas.	(no hay productos identificados)	(no hay productos identificados)
transporte	chapas para camiones tanque; chapas para carrocería; flejes y foil (hojas delgadas) para calefactores y radiadores de vehículos; chapas para señales viales.	tubos para radiadores; perfles para puertas y ventanillas de ómnibus y carrocerías; perfles para pisos de camiones.	llantas de automóviles; pistones, blocks y tapas de motor; autopartes fundidas; chapas aluminizadas.
industria eléctrica	chapas para transformadores; compuestos para telefonía; foil para capacitores; chapas para artefactos y luminaria.	perfles para carcasas de motores eléctricos; perfles para disipadores para electrónica; perfles para "bus bars"; perfles para luminarias.	cables a partir de colada continua; piezas fundidas para industria eléctrica.
bienes de consumo	chapas para heladeras y artículos del hogar; chapas para menaje; hojas delgadas para bandejas descartables; hojas delgadas para uso hogareño; chapas para antenas parabólicas de televisión; flejes para ojalillos.	perfles para antenas de televisión; tubos para heladeras; perfles para mástiles de veleros; tubos para bicicletas; tubos para muebles; perfles para escaleras de aluminio; perfles para exhibidores refrigerados.	mesas y sillas de aluminio fundido; menaje fundido; piezas fundidas para decoración.
máquinas y equipos	flejes para tubos de riego; flejes para intercambiadores de calor; chapas para tanques de almacenamiento; chapas para calderería; foil para aislación; chapas para bandejas para pescado y panaderías.	tubos para riego; perfles para uso industrial.	piezas fundidas para maquinaria industrial; moldes fundidos; placas modelos.
acerías	(no hay productos identificados)	(no hay productos identificados)	posta; granalla; conos; estrellas; lingotes; alambrón.
otros	chapas para chapa patente; todo producto no incluido entre los anteriores.	barras para tornería; tubos para remaches rápidos; todo producto no incluido entre los anteriores.	alambré de soldadura; polvo para pintura y explosivos; polvo para fabricación de productos químicos; todo producto no incluido entre los anteriores.

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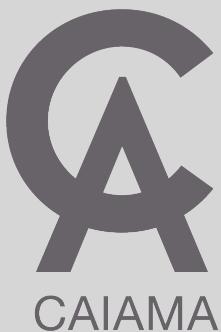
criteria for product classification



	rolling	extrusion	casting
building & construction	ceiling coils; ceiling sheet; roof coating; architectural use sheet; anti-slip sheet; composite panel.	doors and windows profiles; architectural application profiles; ceiling profiles; signboard profiles	aluminized sheet; radiator cast parts.
packaging	foil, backed and not backed for packaging of food, cigarettes, etc.; slugs for aerosols and tubes; can stock; sheets for bottle caps.	(no identified products)	(no identified products)
transportation	sheets for tank trucks; sheets for bodywork; coils and foil for radiators; road sign sheets.	radiator tubes; busses windows and doors profiles; truck floor profiles.	automobile rims; pistons; engine blocks; engine covers; cast parts for automobiles; aluminized sheet.
electric industry	transformer and capacitor sheets; foil for telephonic composites; sheets for electrical and lighting appliances.	electric engine housing profiles; electronic dissipating devices profiles; bus bars; profiles for electrical and lighting appliances.	continuous cast cables; cast parts for electric industry.
consumer durables	sheets for refrigerators and other home appliances; cookware sheet; foil for semi-rigid containers; household foil; sheet for parabolic TV antennas; coils for shoe eyelets.	TV antennas profiles; refrigerator tubes; sailboat mast profiles; bicycle profiles; furniture tubes; ladder profiles; refrigerated exhibitors profiles.	cast chairs and tables; cast cookware; cast decoration parts.
machinery & equipment	coils for irrigation piping; industrial heat exchanger coils; tank sheet; caldron sheet; coils for insulation; fish and bakery tray sheet.	irrigation piping tubes; industrial use profiles.	cast parts for industrial machinery; cast molds.
steelwork	(no identified products)	(no identified products)	products for steel deoxidization.
others	car plate sheets; every product not included above.	every product not included above.	welding wire; paint and explosive powders; chemical product powders; every product not included above.

industria del aluminio en Argentina

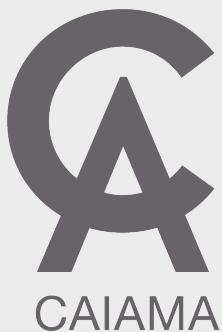
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